DISSOLUTION ACCESSORIES

Dissolution Consumables & Accessories - Edition 3

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Dissolution Accessories

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All of our products are both USP and machine manufacturer compliant.
A certificate of compliance is supplied where applicable.
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DissolutionAccessories.com is a webshop of ProSense B.V., offering quality products at cost-effective prices.
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The result of our strong focuss to customer wishes, created a unique line of products to become your one-stop-shop of consumables and accessories for all your dissolution instruments.

Manufacturer (OEM) References

Equivalent manufacturer product part numbers appear in 'OEM Ref' columns of product listings.

An OEM Reference located within a product listing that is not attributed to a specific manufacturer will have the relevant manufacturer's initial icon adjacent to it.

When a dash (–) appears in the OEM Ref column for a product listing attributed to a specific manufacturer, it signifies an innovated product designed for use in that manufacturer's dissolution applications. Dashes elsewhere signify universal products which can be used in all dissolution applications.

Manufacturers:

Agilent (Varian/VanKel)   **Caleva**   **Distek**   **ElectroLab**   **Erweka**

Hanson   **Pharmatest**   **Sotax**   **Zymark** (Caliper LifeSciences)

If you cannot find what you need please contact us

✉ **info@dissolutionaccessories.com**

☎ **+31 (0)162 47 14 85**

📠 **+31 (0)162 47 14 86**

All dissolutionaccessories.com accessories are U.S. Pharmacopeia compliant where applicable and meet machine manufacturer specifications

Dissolutionaccessories is a ProSense B.V. brand and is ISO9001 certified.

ProSense
Laboratory & Process equipment

TÜV NORD
ISO 9001

Order online at: **www.dissolutionaccessories.com**

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Baskets

Caleva Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-CA	10 Mesh Stainless Steel Basket	0810123
PSBSK020-CA	20 Mesh Stainless Steel Basket	0810021
PSBSK040-CA	40 Mesh Stainless Steel Basket	0810019
PSBSK150-CA	150 Mesh Stainless Steel Basket	–
PSBSKSUP-CA	Suppository Basket, Plastic	–

PSBSK010-CA

PSBSK020-CA

PSBSK040-CA

PSBSKSUP-CA

PSBSK010-DK

Distek Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-DK	10 Mesh Stainless Steel Basket	2821-0160
PSBSK010-DKG	10 Mesh Stainless Steel Basket, Gold coated	2821-0160 G
PSBSK010-DKC	10 Mesh Stainless Steel Basket, Evolution Series	2800-0041
PSBSK020-DK	20 Mesh Stainless Steel Basket	2821-0159
PSBSK020-DKG	20 Mesh Stainless Steel Basket, Gold coated	2821-0159 G
PSBSK020-DKC	20 Mesh Stainless Steel Basket, Evolution Series	2800-0042
PSBSK040-DK	40 Mesh Stainless Steel Basket	2821-0072
PSBSK040-DKG	40 Mesh Stainless Steel Basket, Gold coated	2821-0072 G
PSBSK040-DKC	40 Mesh Stainless Steel Basket, Evolution Series	2800-0032
PSBSKPTD-40	40 Mesh PTFE Coated Basket	–
PSBSK150-DKC	150 Mesh Stainless Steel Basket, Evolution Series	–
PSBSKSUP-DK	Suppository Basket, Plastic	3250-0445

PSBSK010-DKC

PSBSK020-DK

PSBSK020-DKC

PSBSK040-DK

PSBSK040-DKC

PSBSKSUP-DK

Erweka Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-EW	10 Mesh Stainless Steel Basket	90-000-6010
PSBSK010-EWG	10 Mesh Stainless Steel Basket, Gold coated	95-000-6110
PSBSK020-EW	20 Mesh Stainless Steel Basket	90-000-6020
PSBSK040-EW	40 Mesh Stainless Steel Basket	90-000-6040
PSKSB040-EWG	40 Mesh Stainless Steel Basket, Gold coated	90-000-6140
PSBSK150-EW	150 Mesh Stainless Steel Basket	–
PSBSKSUP-EW	Suppository Basket, Plastic	70-000-5004

PSBSK020-EW

PSBSK040-EW

PSBSKSUP-EW

Do you need a 24.5mm opening basket for
Dabigatran Etexilate Mesylate?
Please contact us!

Hanson Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-HR	10 Mesh Stainless Steel Basket	65-220-010
PSBSK010-HRG	10 Mesh Stainless Steel Basket, Gold coated	–
PSBSK020-HR	20 Mesh Stainless Steel Basket	65-220-020
PSBSK040-HR	40 Mesh Stainless Steel Basket	65-220-000
PSBSKPTH-40	40 Mesh PTFE Coated Basket	–
PSKSB040-HRG	40 Mesh Stainless Steel Basket, Gold coated	–
PSBSK150-HR	150 Mesh Stainless Steel Basket	–
PSBSKSUP-HR	Suppository Basket, Plastic	65-700-048

PSBSK010-HR

PSBSK020-HR

PSBSK040-HR

PSBSKPTH-40

PSBSKSUP-HR

All baskets are laser marked with a unique serial number for easy identification

Baskets

Electrolab Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-EL	10 Mesh Stainless Steel Basket	0103A00054
PSBSK020-EL	20 Mesh Stainless Steel Basket	0103A00055
PSBSK040-EL	40 Mesh Stainless Steel Basket	0103A00057
PSBSK040-G	40 Mesh Stainless Steel Basket, Gold Coated	0103A00061
PSBSK040-ELD	40 Mesh Stainles Steel Basket, "D" -type	0103A00177
PSBSK100-EL	100 Mesh Stainless Steel Basket	0103A00060
PSBSK150-EL	150 Mesh Stainless Steel Basket	–
PSBSKSUP-EL	Suppository Basket, Plastic	–

PSBSK010-PT   PSBSK020-PT

Logan Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-LG	10 Mesh Stainless Steel Basket	–
PSBSK040-LG	40 Mesh Stainless Steel Basket	800-0154

PSBSK040-PT   PSBSKSUP-PT

Pharmatest Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-PT	10 Mesh Stainless Steel Basket	311-2804
PSBSK020-PT	20 Mesh Stainless Steel Basket	–
PSBSK040-PT	40 Mesh Stainless Steel Basket	311-2801-6
PSBSK150-PT	150 Mesh Stainless Steel Basket	–
PSBSKSUP-PT	Suppository Basket, Plastic	–

PSBSK010-ST   PSBSK020-ST

Sotax Compatible Baskets

Part No.	Description	OEM Ref
PSBSK010-ST	10 Mesh Stainless Steel Basket	–
PSBSK010-STG	10 Mesh Stainless Steel Basket, Gold coated	–
PSBSK020-ST	20 Mesh Stainless Steel Basket	9353
PSBSK040-ST	40 Mesh Stainless Steel Basket	2830
PSKSB040-STG	40 Mesh Stainless Steel Basket, Gold coated	–
PSBSK150-ST	150 Mesh Stainless Steel Basket	–
PSBSKSUP-ST	Suppository Basket, Plastic	–

Zymark Compatible Baskets

Part No.	Description	OEM Ref
PSBSK040-ZM	40 Mesh Stainless Steel Basket	63127
PSBSK040-ZM2	40 Mesh Precision Length Stainless Steel Basket	–

PSBSK040-ZM2

Precision Length Basket

The Precision Length Basket (PSBSK040-ZM2) is specifically designed for use with Caliper Multidose and other robotic dissolution systems. It has a long usable life in the demanding robotic environment.

Agilent (Varian/ Vankel) *Compatible Baskets*

Part No.	Description	OEM Ref
PSBSK010-01	10 Mesh Stainless Steel Basket	12-2125
PSBSK020-01	20 Mesh Stainless Steel Basket	12-2120
PSBSK040-01	40 Mesh Stainless Steel Basket	12-2100
PSBSK040-01G	40 Mesh Stainless Steel Basket, Gold coated	12-2105
PSBSK040-01PL	40 Mesh Precision Length Stainless Steel Basket	–
PSBSKPTV-40	40 Mesh PTFE Coated Basket	12-2110
PSBSK100-01	100 Mesh Stainless Steel Basket	12-2154
PSBSK150-01	50x150 Mesh Stainless Steel Basket	12-2152
PSBSKSUP-01	Suppository Basket, Plastic	12-2130

PSSTABSK-10	Stationary Basket Assembly with Basket Shaft and 10 Mesh Basket	12-2061
PSSTABSK-20	Stationary Basket Assembly with Basket Shaft and 20 Mesh Basket	12-2060
PSSTABSK-40	Stationary Basket Assembly with Basket Shaft and 40 Mesh Basket	12-2063

PSBSK010-01

PSBSK020-01

PSBSK040-01

PSBSKPTV-40

PSBSKSUP-01

PSSTABSK-10

PSSTABSK-20

PSSTABSK-40

USP 26 Felodipine Test Basket – *See page 7*

Baskets

Dissolution Basket Storage

Prolong the life of baskets and save money

To ensure they meet USP requirements, it is essential that for all tests, baskets are not bent or deformed.

The chances of accidentally damaging baskets can be significantly reduced with the use of a good quality basket holder, such as this.

Key Benefits:
- **Compatible** with all popular basket types (Agilent, Caleva, Distek, Erweka, Hanson, Pharmatest, Sotax, VanKel, Zymark)
- O-rings ensure baskets are **held firmly** to the holder
- **Stores up to** 12 baskets
- **Fully stackable,** letting you transport many baskets at a time
- **Low cost** – it pays for itself by preventing damage to just one basket!
- Made from durable **Aluminium**

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Part No.	Description	OEM Ref
PSBSKHLD-12	Stackable Dissolution Basket Holder, 12 Position	–
PSSTOBOX-ST	7 position Sotax storage box for basket, basket hub and paddle	–

Felodipine Test Basket

Felodipine Stationary Basket

Part No.	Description	OEM Ref
PSSTABSKF-01	USP 26 Felodipine Test Stationary Basket for Varian, VanKel, Agilent	12-2069
PSSTABSKF-EW	USP 26 Felodipine Test Stationary Basket for Erweka	84-100-4100
PSSTABSKF-HR	USP 26 Felodipine Test Stationary Basket for Hanson	95-590-150
PSSTABSKF-DK	USP 26 Felodipine Test Stationary Basket for Distek	2800-0040
PSSTABSKF-EL	USP 26 Felodipine Test Stationary Basket for Electrolab	0103A00063
PSSTABSKF-PH	USP 26 Felodipine Test Stationary Basket for PharmaTest	303-3035-6

Compatible Vessel Covers (See page 30)

Part No.	Description	OEM Ref
PSCOVDHG-SB	Clear Stationary Basket Apparatus Hinged Cover for Distek Baths	3250-0081
PSCOVHGV-SB	Clear Stationary Basket Apparatus Hinged Cover for VanKel Baths	–
PSCOVERH-SB	Clear Stationary Basket Cover for Hanson	95-590-151

Stationary Basket Spacer (See page 53)

Part No.	Description	OEM Ref
PSDEPSET-SB	Stationary Basket Spacer, 1cm	–

PSDEPSET-SB

Basket Shafts

O-ring Style

Spring-Clip Style

All basket shafts are laser marked with a unique serial number for easy identification

DA3026
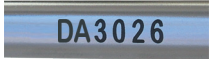
Distek Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSDRNG-16	16.5" (420mm) O-Ring Style Basket Shaft	2821-0074
PSBSHT16-02	16.5" (420mm) Spring Clip Style Basket Shaft	–
PSBSDRNG-19	19" (480mm) O-Ring Style Basket Shaft	2821-0097
PSSHFT16.5-DK	16.5" (420mm) Detachable Shaft	2800-0165
PSBSKHUB-DK	Basket Adaptor, O-Ring Style	2851-1052
PSBSKHUB-DKC	Basket Adaptor, Evolution Series Only	3200-0038
PSBSKCLP-DK	Basket Clip, Evolution Series Only	3100-0017

PSBSKCLP-DK

Hanson Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT-15	15" (380mm) Spring Clip Style Basket Shaft	65-237-000
PSBSKSHT-21	21" (530mm) Spring Clip Style Basket Shaft, 2L	65-260-000
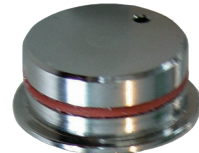
PSBSKHUB-DK

Agilent (Varian/ Vankel) Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT-13	14,5" (330mm) Spring Clip Style Basket Shaft	12-2073
PSBSKSHT-15	15" (380mm) Spring Clip Style Basket Shaft	12-2070
PSBSKSHT-15G	15" (380mm) Gold plated lower 6", Spring Clip Style Basket Shaft	12-2085
PSBSKSHT-15C	15" (380mm) Spring Clip Style Conical Basket Shaft	12-2075
PSBSKSHT-15CO	15" (380mm) O-Ring Style Conical Basket Shaft	12-2050
PSBSKSHT-19	19" (480mm) Spring Clip Style Basket Shaft	12-2080
PSBSKSHT-19G	19" (480mm) Gold plated lower 6", Spring Clip Style Basket Shaft	12-2086
PSBSKSHT-19C	19" (480mm) Clip style Conical Basket Shaft	12-2081
PSBSKSHT-19CO	19" (480mm) O-Ring style Conical Basket Shaft	–
PSBSKSHT-24	24" (610mm) Clip style Basket Shaft	12-2095

PSSHFT16.5-DK

PSBSKHUB-DKC

Zymark Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT-ZM2	15" (380mm) Double O-Ring Style Conical Basket Shaft	–

Erweka Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT16-EW	16" (405mm) Clip style Basket Shaft for High head	84-020-6012
PSBSKHUB-EW	Clip Style Basket hub	91-000-6001

PSBSKSHT-15C

Pharmatest Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT16-PT	16" (405mm) Clip style Basket Shaft	–
PSSHT610-PT	Upper Shaft 316SS for PTWS 610/1210	316-0116
PSHUB610-PT	Clip Style Basket hub with shaft for PTWS 610/1210	316-0220

PSBSKSHT-15CO

Electrolab Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT16-EL	16" (405mm) Clip style Basket Shaft	–
PSBSDRING-EL	16" (405mm) O-ring style Basket Shaft	0103A00066

Sotax Compatible Basket Shafts

Part No.	Description	OEM Ref
PSBSKSHT-AT7	Clip Style Basket top with shaft	7558
PSNPDBSK-AT7	Clip Style Basket top with shaft, PTFE coated	7558-2
PSBSKHUB-ST	Clip Style Basket hub with sample opening	5301

PSBSKHUB-ST

PSBSKSHT-ZM2

Spin Shaft Accessories

Agilent (Varian/ Vankel)

Spin Shaft (Interchangeable) Accessories

Part No.	Description	OEM Ref
PSSPNSHT-13	Spin ON/OFF 14.5" (370mm) Shaft For V-Series (when fully assembled) 316 S.S.	–
PSSPNSHT-15	Spin ON/OFF 15" (380mm) Shaft (when fully assembled) 316 S.S.	12-1400
PSSPNSHT-19	Spin ON/OFF 19" (480mm) Shaft (when fully assembled) 316 S.S.	12-1401
PSSPNBSK-01	Spin ON/OFF Spring Clip Style Basket Shaft, 316 S.S.	12-1430
PSSPNRNG-01	Spin ON/OFF O-Ring Style Basket Shaft, 316 S.S.	12-1431
PSSPNBSK-ZM2	Spin ON/OFF Double O-Ring Style Conical Basket Shaft, 316 S.S.	–
PSMINBSK-01	Mini Spin-Basket Shaft, 316 S.S.	13-3636
PSSPNEPD-01	Spin ON/OFF Electropolished 316 S.S. Paddle	12-1421
PSSPNNPD-01	Spin ON/OFF PTFE Coated Paddle 316 S.S.	12-1420
PSSPNTPD-01	Spin ON/OFF Solid PTFE Paddle	–
PSMINEPD-01	Mini Spin-Paddle, 316 S.S.	12-1443
PSMINPCSV-01	Mini Spin-Paddle, Chinese Small Volume (CSV) 316 S.S.,	–
PSSPNAP6-01	Spin ON/OFF USP APP 6 Rotating Cylinder for Transdermal Patches, Electropolished 316 S.S.	12-1371

PSSPNBSK-01

PSSPNRNG-01

PSSPNBSK-ZM2

PSSPNSHT-13

PSMINEPD-01

PSSPNEPD-01

PSSPNNPD-01

Hanson Spin Shaft (Interchangeable) Accessories

Part No.	Description	OEM Ref
PSSPNSHT-16	Spin ON/Off 16" (405mm) Shaft (when fully assembled) 316 S.S.	74-104-445
PSSPNBSK-HR	Spin ON/Off Spring Clip Style Spin Basket Shafts, 316 S.S.	74-105-251
PSSPNEPD-HR	Spin ON/Off Electropolished Spin paddle, 316 S.S.	74-105-202
PSSPNNPD-HR	Spin ON/Off PTFE coated Spin paddle, 316 S.S.	74-105-201
PSMINEPD-HR	Spin ON/OFF Paddle, Mini, 316SS, Hanson	74-105-204
PSMINPCSV-HR	Mini Spin-Paddle, 316 S.S., Chinese Small Volume (CSV)	74-105-290
PSMINNPCSVC-01	Mini Spin-Paddle, 316 S.S., Chinese Small Volume (CSV) PTFE Coated	–
PSSPNAP6-HR	Spin ON/OFF USP APP 6 Spin Rotating Cylinder, Electropolished, 316 S.S.	74-105-240
PSSPNBSK-HR	Spin-Basket Shaft, USP, 316 SS	74-105-251

PSMINEPD-HR

All spin shafts are laser marked with a unique serial number for easy identification

DA1259

Paddles

Distek Compatible Paddles

Part No.	Description	OEM Ref
PSEPD016-DK	16.5" (420mm) Electropolished Paddle, 316 S.S.	2800-0010
PSNPD016-DK	16.5" (420mm) PTFE Coated Paddle, 316 S.S.	2800-0002
PSTPD016-DK	16.5" (420mm) Solid PTFE Paddle	2800-0178
PSPDLBLD-DK	Paddle Blade, screw on, 316SS	3251-1051
PSSHT16.5-DK	16.5" (420mm) Detachable Shaft, 316 S.S.	2800-0165
PSTUMSCR-DK	Thumb Screw for Distek Compatible Paddle Shafts	–

PSTUMSCR-DK

Hanson Compatible Paddles

Part No.	Description	OEM Ref
PSEPD016-HR	16" (405mm) Electropolished Paddle, 316 S.S.	65-700-036
PSNPD016-HR	16" (405mm) PTFE Coated Paddle, 316 S.S.	65-700-030
PSTPD016-HR	16" (405mm) Solid PTFE Paddle	72-800-456
PSTPD018-HR	18" (460mm) Solid PTFE Paddle	72-800-461

Agilent (Varian/ Vankel) Compatible Paddles

Part No.	Description	OEM Ref
PSEPD013-01	14.5" (370mm) Electropolished Paddle 316 S.S. for 7025/7030 series	12-1035
PSEPD015-01	15" (380mm) Electropolished Paddle 316 S.S. for 7000/7010 series	12-1030
PSEPD019-01	19" (485mm) Electropolished Paddle 316 S.S. for 7000/7010/705/708/709-DS series	12-1040
PSEPD024-01	24"(610mm) Electropolished Paddle 316 S.S. for 7000/7010/705/708/709-DS series	12-1318
PSNPD013-01	14.5" (370mm) PTFE Coated Paddle 316 S.S. for 7025/7030 series	12-1005
PSNPD015-01	15" (380mm) PTFE Coated Paddle 316 S.S. for 7000/7010 series	12-1000
PSNPD019-01	19" (485mm) PTFE Coated Paddle 316 S.S. or 7000/7010/705/708/709-DS series	12-1010

Erweka Compatible Paddles

Part No.	Description	OEM Ref
PSEPD016-EW	16" (405mm) Electropolished 316SS Paddle	–
PSPADHUB-EW	Paddle only Electropolished 316SS	81-000-7001

Paddles

Pharmatest Compatible Paddles

Part No.	Description	OEM Ref
PSEPD610-PT	Electropolished Paddle 316 S.S. for PTWS 610/1210	316-0210
PSSHT610-PT	Upper Shaft 316SS for PTWS 610/1210	316-0116

Electrolab Compatible Paddles

Part No.	Description	OEM Ref
PSEPD016-EL	Electropolished Paddle 316 S.S.	0103A00085
PSEPD024-EL	Electropolished Paddle 316 S.S. for 2L vessel	0103A00086
PSEPDCSV-EL	Electropolished Mini paddle 316S.S. for 250ml	0103A00084
PSMINEPD-EL	Electropolished Mini paddle 316S.S. for 100ml	0103A00083

Sotax Compatible Paddles

Part No.	Description	OEM Ref
PSMINPCSV-ST	Electropolished Chinese Paddle 316 S.S.	9656
PSEPDPAD-AT7	Electropolished Paddle 316 S.S.	7525
PSNPDPAD-AT7	PTFE coated paddle	7525-2
PSPADHUB-ST	Paddle Electropolished 316 S.S with sample opening	2985-2

All paddles are laser marked with a unique serial number for easy identification.

DA1132

PTFE Coated Paddle
(PSNPD series)

Solid PTFE Paddle
(PSTPD series)

Polished Stainless Steel Paddle
(PSEPD series)

PSEPDCSV-AT7
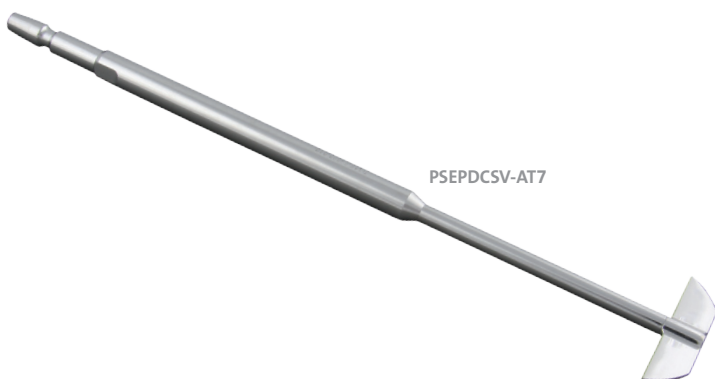
Basket Shaft/Paddle Holders

Ideal for both basket shaft and paddle storage

Key Benefits:
- Prevents shafts/paddles from becoming bent or scratched
- Allows quick and easy transport of many shafts/paddles
- Handy end plate to stop shafts/paddles sliding out when carrying
- Holds all lengths and types of basket shafts and paddles
- Non-corrosive, quality plastic construction
- Space-saving, attractive design
- Available in both 12 and 16 shaft capacities
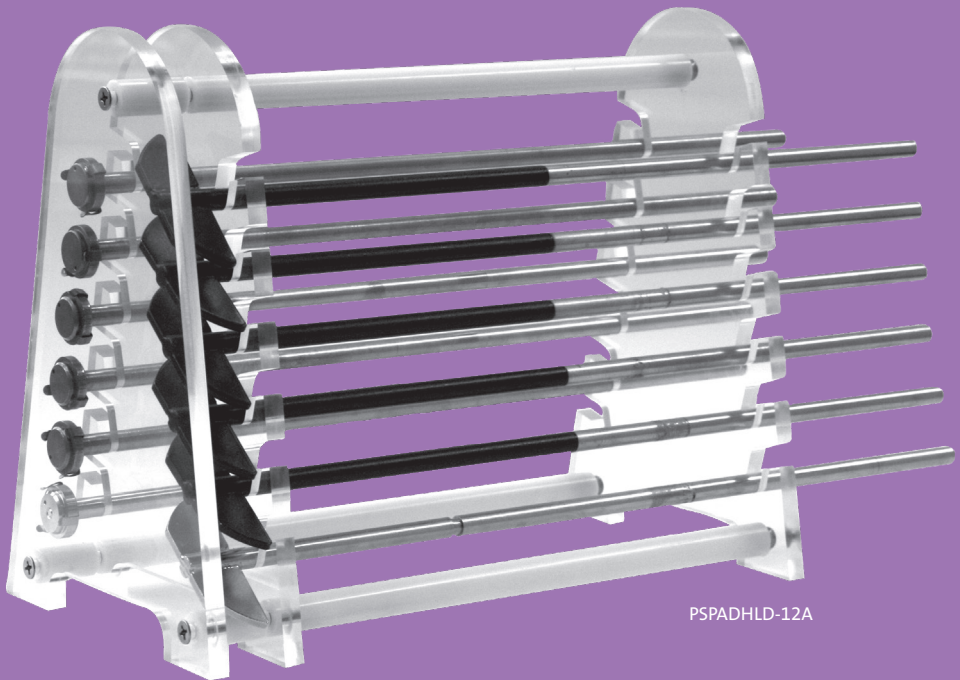
PSPADHLD-12A

Part No.	Description	OEM Ref
PSPADHLD-12A	Basket Shaft/Paddle Rack, 12 Position	–
PSPADHLD-16A	Basket Shaft/Paddle Rack, 16 Position	–
PSPADHLD-ST	Basket Shaft/Paddle Rack for Sotax, 16 positions	–

Dual Purpose: *This basket shaft/paddle holder is designed for optimal handling and storage of both basket shafts and paddles.*
Why not use one to keep a set of both paddles and basket shafts next to each bath?

Capsule Sinkers

Basket Sinkers

Part No.	Description	OEM Ref	
PSCUSBSK-JP	Japanese Pharmacopeia Basket Sinker (This has same dimensions as sinker shown in USP)	12-3070	V
PSBSK008-01	8 Mesh Basket Sinker	12-3062	
PSBSK008-JP	8 Mesh Basket Sinker, Japanese Pharmacopeia Size	–	
PSSNK008-VK	8 Mesh Basket Sinker with lid	12-3062	V
PSSNK010-VK	10 Mesh Basket Sinker with lid	12-3060	V
PSSNK020-VK	20 Mesh Basket Sinker with lid	12-3063	V
PSSNK040-VK	40 Mesh Basket Sinker with lid	12-3064	V
PSSNK080-VK	80 Mesh Basket Sinker with lid	–	
PSSNK150-VK	150 Mesh Basket Sinker with lid	12-3067	V

PSCUSBSK-JP
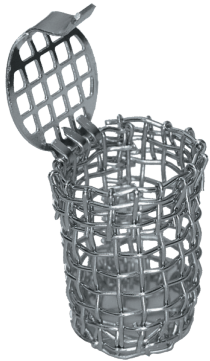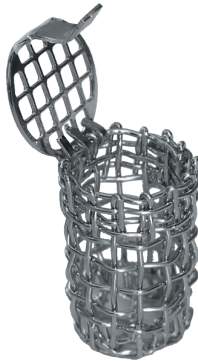
PSBSK008-01   PSBSK008-JP   PSSNK008-VK   PSSNK010-VK   PSSNK040-VK

Pronged Sinkers

Part No.	Description	OEM Ref	
PSCAPWHT-VK	3 Pronged Capsule Sinker	12-3050	V
PSMAGWHT-VK	3 Pronged Capsule Sinker with Magnetic Legs	12-3056	V
PSCAPWHT-SV	3 Pronged Capsule Sinker, 316 S.S.	–	

PSCAPWHT-VK / PSMAGWHT-VK   PSCAPWHT-SV

O-Ring Sinkers

O-ring sinkers feature an expandable rubber ring. This lets the capsule swell whilst still maintaining adequate sinking.

Part No.	Description	OEM Ref	
PSCAPWHT-S99	O-Ring Sinker, 316 S.S.	8399	S

PSCAPWHT-S99

S = Sotax   V = VanKel

Spiral Sinkers

Part No.	Description	OEM Ref
PSCAPWHT-TR	Time Release 316 S.S. Capsule Sinker	–
PSCAPWHT-PC	Breath Film 316 S.S. Sinker	–
PSCAPWST-15	4 Spiral Sotax Style 316 S.S. Capsule Sinker	8280
PSCAPWHT-04	4 Spiral PTFE Coated Capsule Sinker	–
PSCAPWHT-4H	8 Spiral Hanson style 316 S.S. Capsule Sinker	65-190-012
PSCAPWHT-4S	4 Spiral 316 S.S. Capsule Sinker	–
PSCAPWHT-LG	4 Spiral PTFE Coated Capsule Sinker	–
PSCAPWHT-XL	4 Spiral PTFE Coated Capsule Sinker	–
PSCAPWST-18	5 Spiral Sotax Style 316 S.S. Capsule Sinker	7346
PSCAPWST-19	6 Spiral Sotax Style 316 S.S. Capsule Sinker	8283
PSCAPWHT-2S	6 Spiral 316 S.S. Capsule Sinker	–
PSCAPWHT-02	6 Spiral PTFE Coated Capsule Sinker	–
PSCAPWHT-XS	6 Spiral 316 S.S. Capsule Sinker	–
PSCAPWST-23	7 Spiral Sotax Style 316 S.S. Capsule Sinker	6881
PSCAPWST-31	10 Spiral Sotax Style 316 S.S. Capsule Sinker	7349
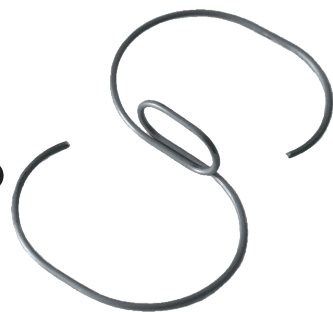
PSCAPWHT-TR

PSCAPWHT-PC

PSCAPWST-15
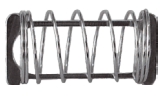
PSCAPWST-18

PSCAPWST-19

PSCAPWST-23
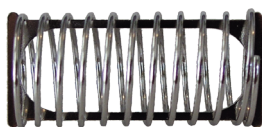
PSCAPWST-31

PSCAPWHT-02

PSCAPWHT-04

PSCAPWHT-2S

PSCAPWHT-4S

PSCAPWHT-LG

PSCAPWHT-XL
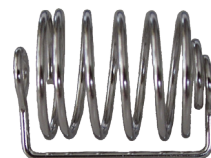
PSCAPWHT-XS

Type 316 Stainless Steel Wire

This wire is ideal for winding your own tablet sinkers, especially if you have non-standard sized tablets. It is the same high-quality wire used to construct the basket sinkers and spiral sinkers and is very easy to work with.

Part No.	Description	OEM Ref
PSWIRESK-VK	316 Stainless Steel Wire, 0.024" (0.6mm) Diameter, 50' (15m) Roll	12-3000

Extensive details on all sinkers and capsules – *SEE OVERLEAF pages 14-15*

Capsule Sinkers

Sinker Type	Part Number	Style	Material	Coating	Inside Diameter	
					(inches)	(mm)
BASKET	PSCUSBSK-JP	Basket, JP	316 S.S.	–	0.470	11.9
	PSBSK008-01	Basket, 8 Mesh	316 S.S.	–	0.620	15.7
	PSBSK008-JP	Basket, 8 Mesh	316 S.S.	–	0.410	10.4
	PSSNK008-VK	Basket, 8 Mesh	316 S.S.	–	0.788	20.0
	PSSNK010-VK	Basket, 10 Mesh	316 S.S.	–	0.788	20.0
	PSSNK040-VK	Basket, 40 Mesh	316 S.S.	–	0.788	20.0
PRONGED	PSCAPWHT-VK	3 Prong	Nylon / P.P.	–	0.200	5.1
	PSMAGWHT-VK	3 Prong	Nylon / P.P.	–	0.200	5.1
	PSCAPWHT-SV	3 Prong	316 S.S.	–	0.275 → 0.210	7.0 → 5.3
O-RING	PSCAPWST-15	Helix	316 S.S.	–	0.197	5.0
SPIRAL	PSCAPWHT-TR	Butterfly	316 S.S.	–	0.224	5.7
	PSCAPWST-18	Helix	316 S.S.	–	0.236	6.0
	PSCAPWST-19	Helix	316 S.S.	–	0.276	7.0
	PSCAPWST-23	Helix	316 S.S.	–	0.315	8.0
	PSCAPWHT-2S	Helix	316 S.S.	–	0.370	9.4
	PSCAPWHT-02	Helix	Music Wire	PTFE	0.370	9.4
	PSCAPWHT-04	Helix	Music Wire	PTFE	0.385	9.8
	PSCAPWHT-4S	Helix	316 S.S.	–	0.385	9.8
	PSCAPWHT-LG	Helix	Music Wire	PTFE	0.410	10.4
	PSCAPWHT-PC	Strip Film	316 S.S.	–	0.436	11.0
	PSCAPWST-31	Helix	316 S.S.	–	0.433	11.0
	PSCAPWHT-S99	O-Ring	316 S.S.	–	0.466	11.8
	PSCAPWHT-XL	Helix	Music Wire	PTFE	0.465	11.8
	PSCAPWHT-XS	Helix	316 S.S.	–	0.580	14.7
WIRE	PSWIRESK-VK	Sinker Wire 50'	316 S.S.	–	–	–
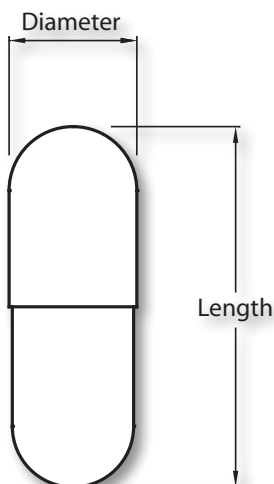
Diameter

Length

CAPSULES				
Capsule Size	Length		Diameter	
	(inches)	(mm)	(inches)	(mm)
000	1.029	26.1	0.390	9.91
00E	1.012	25.7	0.336	8.53
00	0.917	23.3	0.336	8.53
0E	0.909	23.1	0.301	7.65
0	0.854	21.7	0.301	7.65
1	0.765	19.4	0.272	6.91
2	0.709	18.0	0.250	6.35
3	0.626	15.9	0.229	5.83
4	0.563	14.3	0.209	5.32
5	0.437	11.1	0.193	4.91

Inside Length		Wire Diameter		Max Capsule Size	No. of Coils	Weight (g)
(inches)	(mm)	(inches)	(mm)			
0.935	23.7	0.039	0.99	00	8	4.00
1.060	26.9	0.028	0.71	000	9	5.40
0.790	20.1	0.028	0.71	1	8	3.85
0.461	11.7	0.028	0.71	000	–	17.60
0.461	11.7	0.025	0.64	000	–	19.00
0.461	11.7	0.010	0.25	000	–	20.00
1.000	25.4	–	–	2	–	0.90
1.000	25.4	–	–	2	–	1.20
1.040	26.4	–	–	1 (min=3)	–	1.25
0.610	15.5	0.016	0.41	5	6	0.60
0.386	9.8	0.026	0.66	–	–	0.55
0.709	18.0	0.016	0.41	3	8.7	0.75
0.760	19.3	0.016	0.41	2	8	1.00
0.905	23.0	0.016	0.41	0	9	0.95
0.840	21.3	0.043	1.09	0	8.5	2.85
0.840	21.3	0.050	1.27	0	8.5	2.05
0.840	21.3	0.043	1.09	0	5	1.70
0.840	21.3	0.047	1.19	0	5	1.95
1.100	27.9	0.043	1.09	000	6.5	2.00
0.436	11.1	0.035	0.89	–	–	1.20
1.220	31.0	0.031	0.79	000	11.9	3.25
1.015	25.8	–	–	1	–	1.14
1.150	29.2	0.043	1.09	000	5.5	2.15
0.885	22.5	0.047	1.19	Special*	8.5	3.60
–	–	0.032	0.81	–	–	–

Require a Metformin sinker? Please contact us!
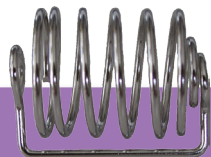
*The Maximum Capsule Size of PSCAPWHT-XS is described as "Special" because this sinker is often used in veterinary applications where the capsule diameter can be very large – this sinker has an inside diameter of 0.580" (14.7mm) to accommodate such capsules.

Capsules shown at actual size

000   00E   00   0E   0   1   2   3   4   5
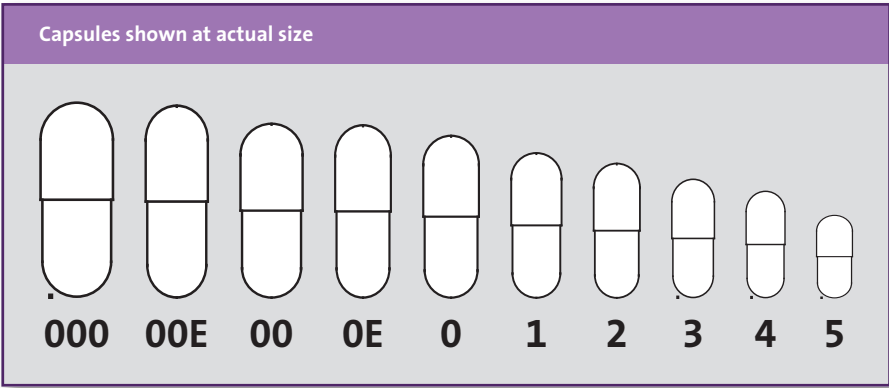
High Precision Vessels

High Precision Dissolution Vessels

Dissolution Accessories together with Takao Manufacturing Co. Ltd. has developed instrument made vessels for a wide variety of brands, in Standard and High Precision.

These vessels are available in most common dimensions in Clear Glass, Amber, Peak or Teflon coated.
The vessels are adapted to every brand and work without the need of any separate adapter bracket, they fit *directly* in your Dissolution instrument regardless the manufacturer! **No AccuCenter Vessel Centering is needed!**

The pharmaceutical analysts worldwide may benefit from the Takao Vessels performance, regardless of their vendor of choice.

Precision on physical dimension

Have you ever seen vessels in which the data of physical dimensions are clearly and accurately described like this? The tolerances of actual data on physical dimensions are surprisingly narrow.

Fig 1.
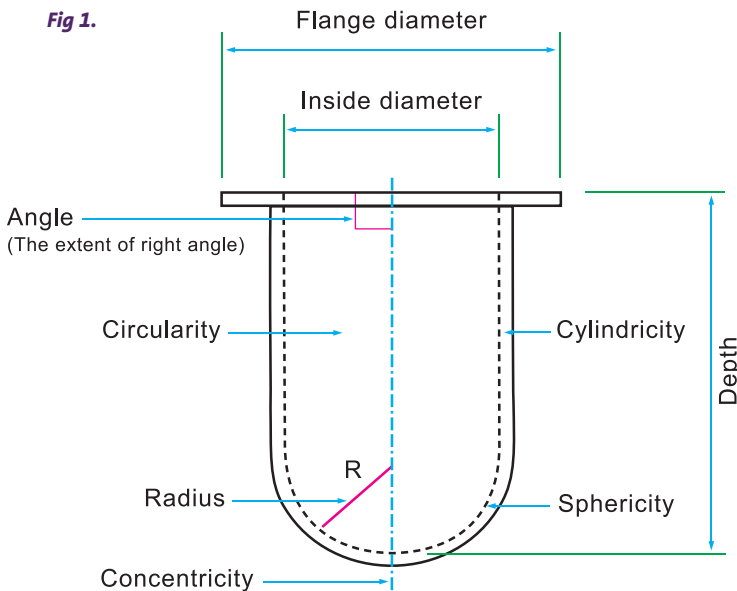
SPECIFICATIONS	
Dimension	Actual Data (minimum-maximum) (mm)
Sphericity	less 0.10
Radius (a)	50.03±0.08
Circularity	less 0.06
Cylindricity	less 0.17
Concentricity	less 0.08
Angle (b)	89.70-90.00

a) Each value was measured by a three-dimensional coordinate measuring machine from Brown & Sharpe (PMM-C700P).

b) The unit is in degree. Eight standard type vessels were subjected to this measurement.

Customization of Vessels

The high precision vessels are customized to your requests. Dissolution Accessories can produce the vessel at any time changing its size, shape or thickness to fully and immediately meet your testing requirements and specifications. Dissolution Accessories provides the vessels at affordable price, in spite of its elaborate glass processing. Please contact us for more info.

Observations of vessel interior form

No appreciable deviation from the ideal interior shape was observed in the high precision vessel.

Conventional glass processing technology provided a large deviation of actual interior shape of the vessel from its ideal interior form. It indicated an unevenness exceeding 1.5 mm at the height of the undulations on the surface of the inside of the vessel. A large deviation was also observed for the inside cylinder. The whole inner surface was obviously found to be uneven in the vessels produced by conventional glass processing. [Fig.1]

On the other hand, an integrated glass fabrication technology gave almost the ideal interior form. The height of undulations was below 0.14 mm. No apparent deviation was observed for the inside cylinder. The entire inner surface was found to be even in the high precision vessel.

Conventional Glass Processing
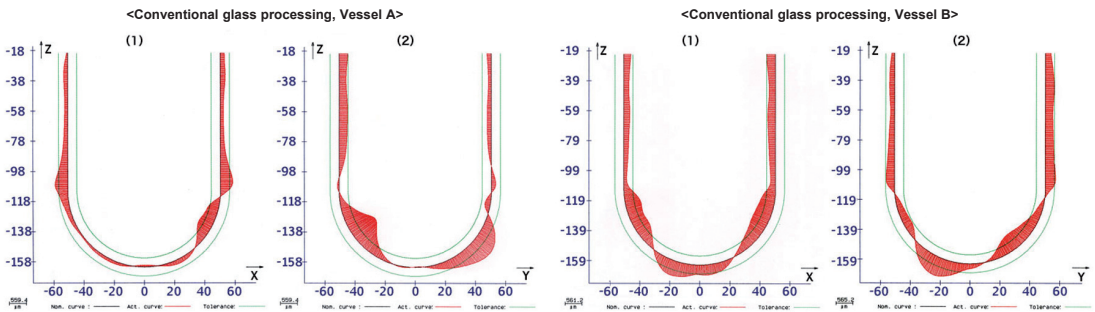
Takao's Integrated Glass Fabrication Technology
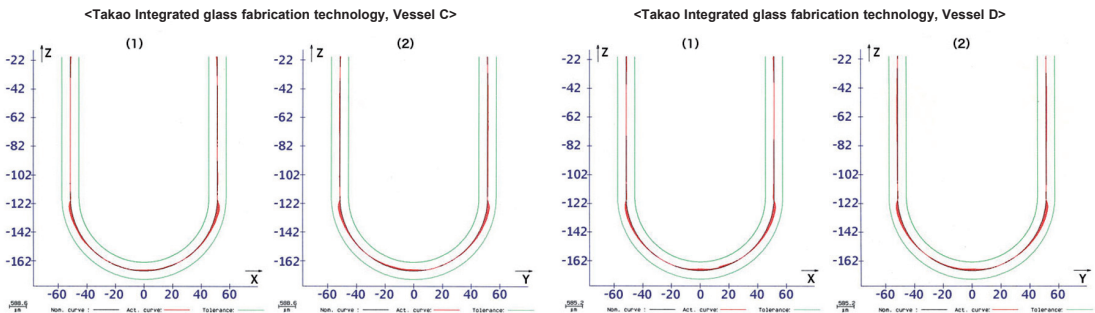
Fig.1 Comparison of deviation from the ideal interior form of the vessel between the two kinds of glass vessels manufactured by conventional glass processing and an integrated fabrication technology The center line between the two green lines indicates the ideal interior form of the vessel. The red zone indicates the actual deviation of the interior form of the vessel from its ideal interior form. The green lines indicate the ideal interior form ±0.3mm. Each right figure (2) indicates the result of the determination at an angle of 90° from the left figure (1). Each determination was carried out by utilizing a three-dimensional coordinate measuring machine (Brown & Sharpe, PMM-C700P).

TAKAO

Dissolution Accessories is exclusive global distributor of Takao Manufacturing Co., Ltd.

High Precision Vessels

Centering of Shaft

The exact centering can be achieved only in the use of vessels in which precise sphericity, circularity, concentricity of inner surface, vertical center, and uniform geometry are all guaranteed.

The high precision vessel of Takao ensures the vertical center.

Off center shaft is a critical factor in erroneous results. Therefore, USP, EP and JP pharmacopeia strictly specify the shaft position so that its axis is not more than 1 mm at any point from the vertical axis of the vessel. However, how should we identify the vertical axis of the vessel? When the vessel itself has some irregularity, non-uniformity or distortion of the inside vessel, the vertical axis of vessel remains vague and the essential meaning of centering of shaft will be diminished

The Effect of High Precision Vessel on Drug Dissolution Data

The variation of dissolution data can be markedly decreased by utilizing the high precision vessel.

Our data demonstrate that the range of variability in Prednisone tablet dissolution results obtained from the high precision vessel of Takao was not more than half of that obtained from vessels produced by conventional glass processing technology. [Fig. 3]

Mean dissolution data obtained from conventional vessel vary considerably from position to position in dissolution apparatus. [Fig. 2]

The range of minimum to maximum mean dissolution data in the high precision vessel was one third of that in conventional glass vessel. A similar result was presented by a Japanese pharmaceutical company at the 124th Annual Meeting of The Pharmaceutical Society of Japan on March 30, 2004, in Osaka.4) It was pointed out in the report that the inside bottom shapes of the vessels produced by conventional glass processing were not uniform hemispheres, resulting in much larger variation of dissolution data than those of the vessels with uniform hemisphere bottom like high precision vessel of Takao.

Conventional Vessels = High Variation

Fig. 2

High Precision Vessels of Takao = Uniformity
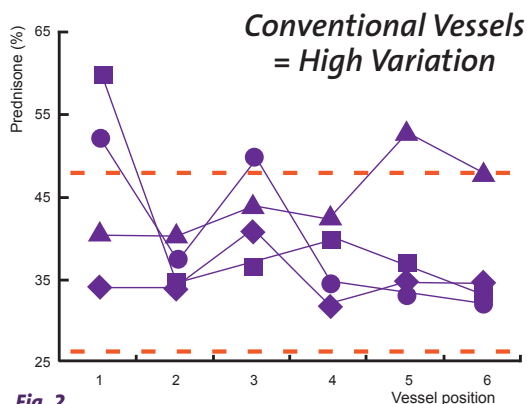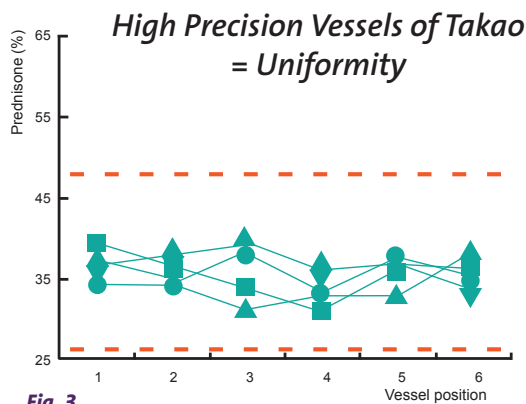
Fig. 3

Interior Form of Vessel and Dissolution Test

It has been reported that inside bottom curvature varies from one vessel to the next and irregular surfaces can occur, depending on the conventional glass processing techniques. Such non-uniformity of bottom curvature and surface irregularity cause dissolution results to differ significantly.

Dissolution testing has remarkably increased in value and significance over the last 30 or so years. It has been widely employed as an important tool in formulation development, in bioequivalence studies and in quality control. It is well known that the dissolution test involves many variables that can contribute to inaccurate results. Therefore, the current USP, EP and JP specify in detail mechanical parameters of the dissolution tester itself such as a shaft rotation speed, shaft position, wobble, distance of blade to inside bottom of vessel and the like. However, considering the vessel alone, only height and inside diameter are stated as dimensions. In addition, the tolerances of each dimension have been actually quite wide.

An innovative integrated fabrication technique developed by Takao could finally bring a solution to large variation of dissolution results. The most precise and accurate glass vessels were developed by the technology for the first time in the world.

Distek *Compatible Vessels*

Part No.	Description
PSHPGLA900-DK	High Precision Clear glass 1000ml vessel
PSHPGLA900-ADK	High Precision Amber glass 1000ml vessel

Agilent (Varian/ Vankel) *Compatible Vessels*

Part No.	Description
PSHPGLA900-01	High Precision Clear glass 1000ml vessel, EaseAlign
PSHPGLA900-A01	High Precision Amber glass 1000ml vessel, EaseAlign
PSHPGLA900-VK	High Precision Clear glass 1000ml vessel, TruCenter
PSHPGLA900-AVK	High Precision Amber glass 1000ml vessel, TruCenter
PSHPGLA900-TA	High Precision Clear glass 1000ml vessel, TruAlign
PSHPGLA900-ATA	High Precision Amber glass 1000ml vessel, TruAlign

Hanson *Compatible Vessels*

Part No.	Description
PSHPGLA900-HR	High Precision Clear glass 1000ml vessel
PSHPGLA900-AHR	High Precision Amber glass 1000ml vessel
PSHPGLA900-HRV	High Precision Clear Glass 1000ml vessel, Vision
PSHPGLA900-AHV	High Precision Amber Glass 1000ml vessel, Vision

Sotax *Compatible Vessels*

Part No.	Description
PSHPGLA900-ST	High Precision Clear glass 1000ml vessel
PSHPGLA900-AST	High Precision Amber glass 1000ml vessel
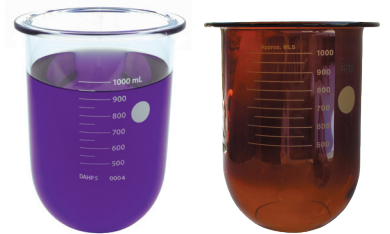
Electrolab *Compatible Vessels*

Part No.	Description
PSHPGLA900-EL	High Precision Clear glass 1000ml vessel
PSHPGLA900-AEL	High Precision Amber glass 1000ml vessel

High Precision Vessels

Pharmatest Compatible Vessels

Part No.	Description
PSHPGLA900-PT	High Precision Clear glass 1000ml vessel
PSHPGLA900-APT	High Precision Amber glass 1000ml vessel

Erweka Compatible Vessels

Part No.	Description
PSHPGLA900-EW	High Precision Clear glass 1000ml vessel
PSHPGLA900-AEW	High Precision Amber glass 1000ml vessel

Copley Compatible Vessels

Part No.	Description
PSHPGLA900-CO	High Precision Clear glass 1000ml vessel
PSHPGLA900-ACO	High Precision Amber glass 1000ml vessel

Toyama Compatible Vessels

Part No.	Description
PSHPGLA900-TO	High Precision Clear glass 1000ml vessel
PSHPGLA900-ATO	High Precision Amber glass 1000ml vessel

Logan Compatible Vessels

Part No.	Description
PSHPGLA900-LG	High Precision Clear glass 1000ml vessel
PSHPGLA900-ALG	High Precision Amber glass 1000ml vessel

Chinese (CSV) Vessel

The Chinese Small Volume (CSV) Dissolution system is based on the official method listed in the Chinese pharmacopeia. The CSV system includes a larger media vessel (250 mL typical) commonly used in some special applications. The CSV provides a mid-range volume for applications that require less media volume than standard 500 or 90 mL dissolution tests, but more than traditional small vollume. Fixed vessel-mount probes are used. The CSV vessel has an inside diameter of 62 mm (+/- 3 mm) in conformance with the Chinese pharmacopeia, and it is available in both clear and amber glass.

Hanson *CSV Compatible Vessels*

Part No.	Description	OEM Ref
PSCSV250-HR	250ml Clear Glass vessel, Hanson Reasearch	74-105-280
PSCSV250-AHR	250ml Amber Glass vessel, Hanson Research	94-105-281

Distek *CSV Compatible Vessels*

Part No.	Description	OEM Ref
PSCSV250-DK	250ml Clear Glass vessel, Distek	–
PSCSV250-ADK	250ml Amber Glass vessel, Distek	–

Agilent (Varian/ Vankel) *CSV Compatible Vessels*

Part No.	Description	OEM Ref
PSCSV250-TA	250ml Clear Glass vessel, TruAlign, Agilent	12-1452
PSCSV250-ATA	250ml Amber Glass vessel, TruAlign, Agilent	–

Erweka *CSV Compatible Vessels*

Part No.	Description	OEM Ref
PSCSV250-EW	250ml Clear Glass vessel, Erweka	–
PSCSV250-AEW	250ml Amber Glass vessel, Erweka	–

Sotax *CSV Compatible Vessels*

Part No.	Description	OEM Ref
PSCSV250-ST	250ml Clear Glass vessel, Erweka	9650
PSCSV250-AST	250ml Amber Glass vessel, Erweka	9650-2

PSCSV250-HR

PSCSV250-TA

Chinese Small Volume paddles?

Please contact us!

Standard Vessels

Distek *Compatible Vessels*

Part No.	Description	OEM Ref
PSGLA200-DK	200 ml Clear Glass Vessel	3100-0095
PSGLA200-ADK	200 ml Amber Glass Vessel	3100-0095-AMB
PSCSV250-DK	250 ml Clear Glass Vessel, Chinese Pharmacopeia	–
PSCSV250-ADK	250 ml Amber Glass Vessel, Chinese Pharmacopeia	–
PSGLA500-DK	500 ml Clear Glass Vessel	3010-0040
PSGLA500-ADK	500 ml Amber Glass Vessel	3010-0040-AMB
PSGLA900-DK	1000 ml Clear Glass Vessel, Non Acculign Ring	3010-0093
PSGLA900-ADK	1000 ml Amber Glass Vessel, Non Acculign Ring	3010-0023
PSGLA9CR-DK	1000 ml Clear Glass Vessel, with Acculign Ring	3010-0093
PSGLA9CR-ADK	1000 ml Amber Glass Vessel, with Acculign ring	3010-0093-AMB
PSGLA9PK-DK	1000 ml Clear Glass Vessel, Peak	3010-0550
PSGLA9PK-ADK	1000 ml Amber Glass Vessel, Peak	3010-0550-AMB
PSGLA900-DKT	1000 ml Clear Glass Vessel, Teflon Coated, with Acculign Ring	3010-0002-T
PSGLP900-DK	1000 ml Clear Glass Vessel, Premier	3010-0096
PSGLP900-ADK	1000 ml Amber Glass Vessel, Premier	3010-0096-AMB
PSGLP900-DKT	1000 ml Clear Glass Vessel, Premier, Teflon Coated	3010-0096-T
PSPLA900-DK	1000 ml Clear Plastic Vessel	3350-0095
PSPLA900-ADK	1000 ml Amber Plastic Vessel	3350-0095-AMB
PSGLA02K-DK	2000 ml Clear Glass Vessel, with Acculign Ring	3010-0285
PSGLA02K-ADK	2000 ml Amber Glass Vessel, with Acculign Ring	3010-0327-AMB
PSGLA2KPK-DK	2000 ml Clear Glass Vessel, Peak	–
PSGLA2KPK-ADK	2000 ml Amber Glass Vessel, Peak	–
PSGLA04K-DK	4000 ml Clear Glass Vessel with Acculign Ring	3010-0286
PSGLA04K-ADK	4000 ml Amber Glass Vessel with Acculign Ring	3010-0286-AMB
PSGLA4KPK-DK	4000 ml Clear Glass Vessel, Peak	–
PSGLA4KPK-ADK	4000 ml Amber Glass Vessel, Peak	–

Part No.	Description	OEM Ref
PSRING01-DK	(Acculign Ring) Plastic Centering Ring	3350-0096
PSVSCLIP-DK	Vessel Hold Down Clip (for 6300 and 2100 Series)	2821-0257

PSGLA200-DK   PSGLA500-DK

PSGLA900-DK   PSGLA900-ADK

PSGLA9PK-DK   PSGLA9CR-ADK

PSRING01-DK   PSVSCLIP-DK

PSPLA900-DK   PSPLA900-ADK   PSFLU9CL-DK   PSFLU900-DK   PSGLA02K-DK

Erweka *Compatible Vessels*

Part No.	Description	OEM Ref
PSGLA250-EW	250 ml Clear Glass Vessel	80-000-0202
PSGLA250-AEW	250 ml Amber Glass Vessel	–
PSCVS250-EW	250 ml Clear Glass Vessel, Chinese Pharmacopeia	–
PSCVS250-AEW	250 ml Amber Glass Vessel, Chinese Pharmacopeia	–
PSGLA900-EW	1000 ml Clear Glass Vessel	80-000-1002
PSGLA900-AEW	1000 ml Amber Class Vessel	80-000-1004
PSGLA9PK-EW	1000 ml Clear Glass Vessel, Peak	–
PSGLA9PK-AEW	1000 ml Amber Glass Vessel, Peak	–
PSPLA900-EW	1000 ml Clear Plastic Vessel	80-000-1001
PSPLA900-AEW	1000 ml Amber Plastic Vessel	–
PSGLA02K-EW	2000 ml Clear Glass Vessel	80-000-2002
PSGLA02K-AEW	2000 ml Amber Glass Vessel	–

PSCNTRING-EW	Centering Ring for Erweka Vessel	450-056-0001

Hanson *Compatible Vessels*

Part No.	Description	OEM Ref
PSGLA150R-HR	150 ml Clear Glass Vessel	72-600-573
PSGLA150R-AHR	150 ml Amber Glass Vessel	72-600-583
PSGLA150F-HR	150 ml Clear Glass Vessel, Flat Bottom	74-105-152
PSGLA150F-AHR	150 ml Amber Glass Vessel, Flat Bottom	74-105-162
PSCSV250-HR	250 ml Clear Glass, Chinese Pharmacopeia	74-105-280
PSCSV250-AHR	250 ml Amber Glass, Chinese Pharmacopeia	74-105-281
PSGLA500-HR	500 ml Clear Glass Vessel	–
PSGLA500-AHR	500 ml Amber Glass Vessel	–
PSGLA900-HR	1000 ml Clear Glass Vessel, USP, Precision	72-600-510
PSGLA900-AHR	1000 ml Amber Glass Vessel, USP, Precision	72-600-556
PSGLA900-HRV	1000 ml Clear Glass vessel, USP, Vision	74-104-101
PSGLA900-AHV	1000 ml Amber Glass vessel, USP, Vision	74-104-102
PSPLA900-HR	1000 ml Plastic Clear Vessel, USP, Precision	91-030-003
PSPLA900-AHR	1000 ml Plastic Amber Vessel, USP, Precision,	91-030-004
PSGLA9PK-HR	1000 ml Clear Glass Vessel, Peak, USP, Precision	95-590-047
PSGLA9PK-AHR	1000 ml Amber Glass Vessel, Peak, USP, Precision	95-590-048
PSGLA02K-HR	2000 ml Clear Glass Vessel, USP, Precision	72-600-509
PSGLA02K-AHR	2000 ml Amber Glass Vessel, USP, Precision	72-600-580
PSGLA2KPK-HR	2000 ml Clear Glass Vessel, Peak	–
PSGLA2KPK-AHR	2000 ml Amber Glass Vessel, Peak	–

PSCNTRNG-HR	Vessel Centering Ring (1 & 2 L Vessels)	73-100-550

PSGLA900-EW

PSGLA02K-EW

PSCNTRING-EW

PSGLA500-HR

PSGLA900-AEW

PSGLA900-HR

PSPLA900-EW

PSGLA9PK-HR

PSGLA900-AHR

PSGLA02K-HR

PSPLA900-HR

PSPLA900-AHR

PSFLU9CL-HR

PSFLU900-HR

Standard Vessels

Caleva Compatible Vessels

Part No.	Description	OEM Ref
PSGLA900-CA	1000ml Clear Glass Vessel	0810004
PSGLA900-ACA	1000ml Amber Glass Vessel	0810009
PSGLA9PK-CA	1000 ml Clear Glass Vessel, Peak	–
PSGLA9PK-ACA	1000 ml Amber Glass Vessel, Peak	–
PSGLA02K-CA	2000 ml Clear Glass Vessel	–
PSGLA02K-ACA	2000 ml Amber Glass Vessel	–
PSGLA2KPK-CA	2000 ml Clear Glass Vessel, Peak	–
PSGLA2KPK-ACA	2000 ml Amber Glass Vessel, Peak	–
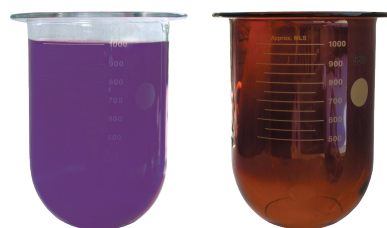
PSGLA900-CA   PSGLA900-ACA

Pharmatest Compatible Vessels

Part No.	Description	OEM Ref
PSGLA900-PT	1000 ml Clear Glass Vessel	303-5225
PSGLA900-APT	1000 ml Amber Glass Vessel	303-5425
PSGLA900-PTR	1000 ml Clear Glass Vessel, Enlarged Top Flange	–
PSGLA900-APTR	1000 ml Amber Glass Vessel, Enlarged Top Flange	–
PSGLA9PK-PT	1000 ml Clear Glass Vessel, Peak	–
PSGLA9PK-APT	1000 ml Amber Glass Vessel, Peak	–
PSPLA900-PT	1000 ml Clear Plastic Vessel	–
PSPLA900-APT	1000 ml Amber Plastic Vessel	–
PSGLA02K-PT	2000 ml Clear Glass Vessel	303-5221
PSGLA02K-APT	2000 ml Amber Glass Vessel	303-5222
PSGLA2KPK-PT	2000 ml Clear Glass Vessel, Peak	–
PSGLA2KPK-APT	2000 ml Amber Glass Vessel, Peak	–

PSGLA900-PT   PSGLA900-APT
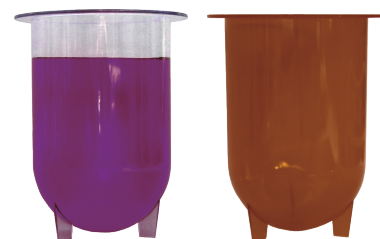
PSPLA900-PT   PSPLA900-APT

Electrolab Compatible Vessels

Part No.	Description	OEM Ref
PSGLA100-EL	100ml Clear Glass Vessel	0103A00001
PSGLA250-EL	250ml Clear Glass Vessel	0103A00002
PSGLA900-EL	1000 ml Clear Glass Vessel	0103A00004
PSGLA900-AEL	1000 ml Amber Glass Vessel	0103A00005
PSGLA9PK-EL	1000 ml Clear Glass Vessel, Peak	0103A00010
PSGLA9PK-AEL	1000 ml Amber Glass Vessel, Peak	0103A00018
PSPLA900-EL	1000ml Clear Plastic Vessel	0103A00038
PSPLA900-AEL	1000ml Amber Plastic Vessel	0103A00039
PSGLA02K-EL	2000 ml Clear Glass Vessel	0103A00006
PSGLA02K-AEL	2000 ml Amber Glass Vessel	–
PSGLA2KPK-EL	2000 ml Clear Glass Vessel, Peak	–
PSGLA2KPK-AEL	2000 ml Amber Glass Vessel, Peak	–

PSGLA900-ST

PSCNTRNG-ZM

PSGLA9CR-ZM

Sotax *Compatible Vessels*

Part No.	Description	OEM Ref
PSCSV250-ST	250 ml mini Chinese Clear Glass Vessel	9650
PSCSV250-AST	250 ml mini Chinese Amber Glass Vessel	9650-2
PSGLA900-ST	1000 ml Clear Glass Vessel	2503
PSGLA900-AST	1000 ml Amber Glass Vessel	2503-2

Zymark *Compatible Vessels*

Part No.	Description	OEM Ref
PSGLA900-ZM	1000 ml Clear Glass Vessel	–
PSGLA900-AZM	1000 ml Amber Glass Vessel	–
PSGLA9CR-ZM	1000 ml Clear Glass Vessel with Centering Ring	58730
PSGLA9CR-AZM	1000 ml Amber Glass Vessel with Centering Ring	–
PSGLA9PK-ZM	1000 ml Clear Glass Vessel, Peak	–
PSGLA9PK-AZM	1000 ml Amber Glass Vessel, Peak	–
PSCNTRNG-ZM	Multidose Centering Ring	69606

Teflon Coated Vessels are available on customers request.

In many cases Teflon Coated Vessels are used when the measured sample is sticky and sticks to the wall or bottom of the dissolution vessel.

This can affect your measurement dramatically.

The Teflon coating on the inside of the dissolution vessel can prevent that the sample sticks to the dissolution vessel.

Agilent (Varian/ Vankel) *Compatible Vessels*

Part No.	Description	OEM Ref
PSGLA100-VK	100 ml TruCenter, Clear Glass Vessel	–
PSGLA100-AVK	100 ml TruCenter, Amber Glass Vessel	–
PSGLA200-VK	200 ml TruCenter, Clear Glass Vessel	12-5033
PSGLA200-AVK	200 ml TruCenter, Amber Glass Vessel	–
PSGLA900-VK	1000 ml TruCenter, Clear Glass Vessel for 7025 and 7030	–
PSGLA900-AVK	1000 ml TruCenter, Amber Glass Vessel for 7025 and 7030	–
PSGLA900-VKC	1000 ml TruCenter, Clear Glass Vessel with Collar for 7025 and 7030	12-5035
PSGLA900-AVKC	1000 ml TruCenter, Amber Glass Vessel with Collar for 7025 and 7030	12-5120
PSGLA9PK-VK	1000 ml TruCenter Clear Glass Vessel, Peak, for V-Series Bath	12-5125
PSGLA9PK-AVK	1000 ml TruCenter Amber Glass Vessel, Peak, for V-Series Bath	–
PSGLA9PK-VKC	1000 ml TruCenter Clear Glass Vessel, Peak,with Collar, for V-Series Bath	–
PSGLA9PK-AVKC	1000 ml TruCenter Amber Glass Vessel, Peak, with Collar, for V-Series Bath	12-5130
PSGLA02K-VKC	2000 ml TruCenter, Clear Glass Vessel, with Collar	–
PSGLA02K-AVKC	2000 ml TruCenter, Amber Glass Vessel, with Collar	–
PSGLA2KPK-VKC	2000 ml TruCenter, Clear Glass Vessel, Peak with Collar	–
PSGLA2KPK-AVKC	2000 ml TruCenter, Amber Glass Vessel, Peak with Collar	–

PSEZLBKT-01

Collar Centering Ring for TruCenter Vessel
PSCNTRNG-VK

PSGLA900-VKC

Standard Vessels

Agilent (Vankel/Varian) *Compatible Vessels*

Part No.	Description	OEM Ref
PSGLA100-01	100 ml, EaseAlign, Clear Glass Vessel	12-5040
PSGLA100-A01	100 ml, EaseAlign, Amber Glass Vessel	12-5041
PSGLA200-01	200 ml, EaseAlign, Clear Glass Vessel	12-5050
PSGLA200-A01	200 ml, EaseAlign, Amber Glass Vessel	12-5051
PSGLA500-01	500 ml, EaseAlign, Clear Glass Vessel	12-5060
PSGLA500-A01	500 ml, EaseAlign, Amber Glass Vessel	12-5065
PSGLA900-01	1000 ml, EaseAlign,Clear Glass Vessel	12-5000
PSGLA900-A01	1000 ml, EaseAlign,Amber Glass Vessel	12-5010
PSGLA900-01T	1000 ml, EaseAlign, Clear Glass Vessel, Teflon Coated	12-5020
PSGLA9PK-01	1000 ml, EaseAlign, Clear Glass Vessel, Peak	12-5500
PSGLA9PK-A01	1000 ml, EaseAlign, Amber Glass Vessel, Peak	12-5505
PSGLA9PK-01T	1000 ml, EaseAlign, Clear Glass Vessel, Peak, Teflon coated	12-5525
PSPLA900-01	1000 ml Clear Plastic Vessel	12-5200
PSPLA900-A01	1000 ml Amber Plastic Vessel	12-5210
PSGLA02K-01	2000 ml, EaseAlign, Clear Glass Vessel	12-5070
PSGLA02K-A01	2000 ml, EaseAlign, Amber Glass Vessel	12-5075
PSGLA2KPK-01	2000 ml, EaseAlign, Clear Glass Vessel, Peak	12-5510
PSGLA2KPK-A01	2000 ml, EaseAlign, Amber Glass Vessel, Peak	–

PSGLA900-VK

PSGLA900-01
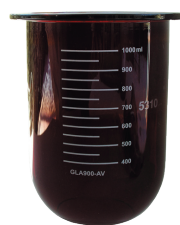
PSGLA900-A01

PSGLA9PK-01
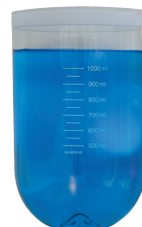
PSGLA9PK-VK

PSGLA900-AVK

Part No.	Description	OEM Ref
PSGLA100-TA	100 ml TruAlign, Clear Glass Vessel	12-5145
PSGLA100-ATA	100 ml TruAlign, Amber Glass Vessel	12-5146
PSGLA200F-TA	200 ml TruAlign, Clear Glass Vessel, Flat Bottom	12-5170
PSGLA200F-ATA	200 ml TruAlign, Amber Glass Vessel, Flat Bottom	–
PSGLA200-TA	200 ml TruAlign, Clear Glass Vessel	12-5147
PSGLA200-ATA	200 ml TruAlign, Amber Glass Vessel	–
PSCSV250-TA	250 ml TruAlign, Clear Glass Vessel, Chinese Pharmacopeia	12-1452
PSCSV250-ATA	250 ml TruAlign, Amber Glass Vessel, Chinese Pharmacopeia	–
PSGLA900-TA	1000 ml TruAlign, Clear Glass Vessel	12-5149
PSGLA900-ATA	1000 ml TruAlign, Amber Glass Vessel	12-5152
PSGLA9PK-TA	1000 ml TruAlign, Clear Glass Vessel, Peak	12-5153
PSGLA9PK-ATA	1000 ml TruAlign, Amber Glass Vessel, Peak	
PSGLA02K-TA	2000 ml TruAlign, Clear Glass Vessel	12-5157
PSGLA02K-ATA	2000 ml TruAlign, Amber Glass Vessel	12-5158
PSGLA2KPK-TA	2000 ml TruAlign, Clear Glass Vessel, Peak	12-5129
PSGLA2KPK-ATA	2000 ml TruAlign, Amber Glass Vessel, Peak	–

Part No.	Description	OEM Ref
PSEZLBKT-01	Vessel Centering Bracket, 6 Replaceable Pins	12-6050
PSEZLKIT-01	Vessel Centering Bracket Repair Kit (Set of 12 pins)	–
PSEZLPEG-01	Vessel Centering Bracket Peg	12-6065

PSGLA200-TA

PSGLA200-01

PSGLA02K-01

PSGLA900-TA

Copley Compatible Vessels

Part No.	Description	OEM Ref
PSGLA900-CO	1000ml Clear Glass Vessel	–
PSGLA900-ACO	1000ml Amber Glass Vessel	–
PSGLA9PK-CO	1000 ml Clear Glass Vessel, Peak	–
PSGLA9PK-ACO	1000 ml Amber Glass Vessel, Peak	–

PSGLA900-CO   PSGLA900-ACO

Toyama Compatible Vessels

Part No.	Description	OEM Ref
PSGLA900-TO	1000ml Clear Glass Vessel	–
PSGLA900-ATO	1000ml Amber Glass Vessel	–
PSGLA9PK-TO	1000 ml Clear Glass Vessel, Peak	–
PSGLA9PK-ATO	1000 ml Amber Glass Vessel, Peak	–

PSGLA900-TO   PSGLA900-ATO

Logan Compatible Vessels

Part No.	Description	OEM Ref
PSGLA900-LG	1000ml Clear Glass Vessel	200-2045
PSGLA9PK-LG	1000ml Clear Glass Vessel, PEAK	800-0140
PSGLA900-ALG	1000ml Amber Glass Vessel	800-0147
PSPLA900-LG	1000ml Clear Plastic Vessel	200-0900
PSPLA900-ALG	1000ml Amber Plastic Vessel	–
PSGLA02K-LG	2000ml Clear Glass Vessel	200-0126
PSGLA02K-ALG	2000ml Amber Glass Vessel	–

PSGLA900-LG   PSGLA900-ALG

Dosaprep – automatic medium preparation for dissolution testing

· filtering of medium or water;
· preparation of medium in the desired ratio from two inlets of e.g. water and hydrochloric acid; alternatively ready made medium may be used;
· the medium is continuously mixed with a magnetic stirrer in order to obtain a homogeneous mixture;
· the medium may be heated to a selectable temperature, e.g. 37 °C;
· degassing is being done according USP Standard, using a double membrane vacuum pump;
· the prepared medium can be dispensed in variable dosages;
· and the complete medium preparation is documented in great detail.
· Typically the time to prepare 8 l medium takes approximately only 15 min

Vessel Stands

Universal Vessel Stands

For the safe transportation and storage of vessels

Due to their shape, dissolution vessels are difficult to hold securely. This can often result in scratched, chipped or even smashed vessels.

The steel/acrylic stands are available in 6 or 8 vessel capacities and can hold vessels from any dissolution bath manufacturer.

They can also be stacked together to save bench space and enable you to transport many vessels at a time.
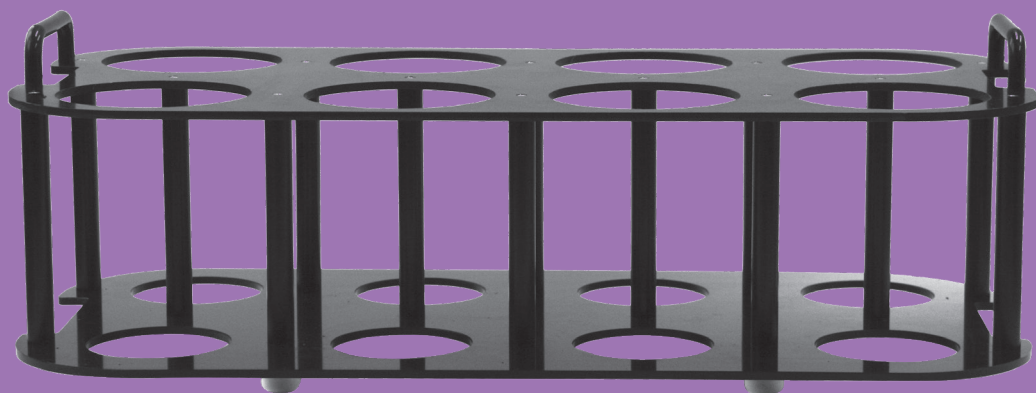
Part No.	Description	OEM Ref
PSVESSTD-06A	Vessel Stand, 6 Position	–
PSVESSTD-08A	Vessel Stand, 8 Position	–
PSVESSTD-ST	Vessel Stand Sotax, 8 Positions	–

Vessel covers

Distek *Compatible Vessel Covers*

Part No.	Description	OEM Ref
PSCOVERD-00	Low Evaporation Rotary Cover, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVERD-01	Clear Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	3250-0089
PSCOVERD-02	Amber Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVERD-BK	Clear Hinged Cover with Large Centre Hole for Easy Basket Access, 0.53" (13.5mm) Cannula Hole Diameter	3250-0070
PSCOVERAD-BK	Amber Hinged Cover with Large Centre Hole for Easy Basket Access, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVERD-HG	Clear Low Evaporation Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	–
PSCOVDHG-SB	Clear Stationary Basket Apparatus Hinged Cover	3250-0081

Part No.	Description	OEM Ref
PSCOVPLG-7D	7th Position Cover Plug	3350-0109
PSCOVPLG-DK	Probe Hole Plug	5720-4037
PSCOVCAP-DK	Clear Cap for Basket Access Cover	3250-0019
PSCOVCAP-AD	Amber Cap for Basket Access Cover	–
PSHINGE-DK	Plastic Hinge	5560-6011

Hanson *Compatible Vessel Covers*

Part No.	Description	OEM Ref
PSCOVERH-00	Low Evaporation Rotary Cover, 0.53" (13.5mm) Cannula Hole Diameter	65-233-170
PSCOVERH-01	Clear Cover with Paddle Slot	72-500-215
PSCOVERH-02	Grey Cover with Paddle Slot	72-800-603
PSCOVERH-03	Amber Cover with Paddle Slot	–
PSCOVERH-04	Clear Solid Cover	–
PSCOVERH-HG	Clear Low Evaporation Hinged Cover, 0.53" (13.5mm) Cannula Hole Diameter	95-590-046
PSCOVERH-LL	Low Loss Evaporation Cover, Conical Shape	–

Agilent (Varian/ Vankel) *Compatible Vessel Covers*

Part No.	Description	OEM Ref
PSCOVERV-00	Low Evaporation Rotary Cover, 0.31" (7.9mm) Cannula Hole Diameter	–
PSCOVERV-01	Clear Cover with Paddle Slot, 0.31" (7.9mm) Cannula Hole Diameter	12-6300
PSCOVERV-02	Amber Cover with Paddle Slot, 0.31" (7.9mm) Cannula Hole Diameter	12-6320
PSCOVERV-03	Clear Solid Cover	12-6330
PSCOVERV-04	Clear Evaporation Cover for Dosage Delivery Module, 0.31" (7.9mm) Cannula Hole Diameter	12-6310
PSCOVERV-HG	Clear Low Evaporation Hinged Cover, 0.31" (7.9mm) Cannula Hole Diameter	–
PSCOVERV-LL	Low Loss Evaporation Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-0469
PSCOVERV-LLHG	Low Loss Evaporation Hinged Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-6328
PSCOVERV-LLSB	Stationary Basket Apparatus Low Loss Evaporation Hinged Cover, Conical Shape	–
PSCOVERV-LLVS	TruCenter Low Loss Evaporation Hinged Cover, Conical Shape, 0.78" (19.8mm) Cannula Hole Diameter	12-6327
PSCOVERV-LL200	Mini Vessel Cover, Conical, Low Loss for 200ml vessel, Varian/VanKel	–
PSCOVHGV-SB	Clear Stationary Basket Apparatus Hinged Cover	–
PSCOVERV-6K	Clear Evaporation Cover for VK600/VK6000 Series, 0.31" (7.9mm) Cannula Hole Diameter	12-6200

PSCOVERD-00
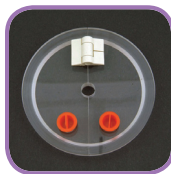
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PSCOVERD-02

PSCOVERD-BK

PSCOVERAD-BK
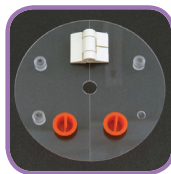
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PSCOVDHG-SB

PSCOVPLG-7D

PSCOVPLG-DK
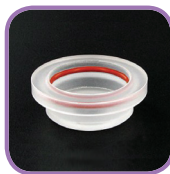
PSCOVCAP-DK
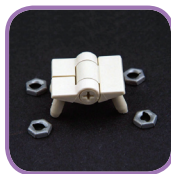
PSHINGE-DK

PSCOVERH-00

PSCOVERH-01

PSCOVERH-02

PSCOVERH-03

PSCOVERH-04

PSCOVERH-HG

PSCOVERV-00
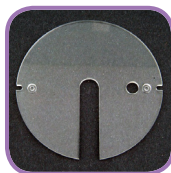
PSCOVERV-01

PSCOVERV-02
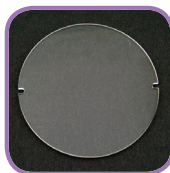
PSCOVERV-03

PSCOVERV-04
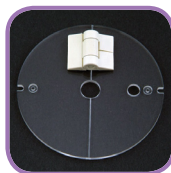
PSCOVERV-HG

PSCOVERV-LL
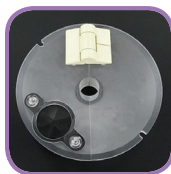
PSCOVERV-LLHG
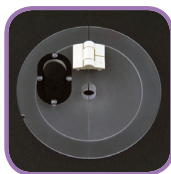
PSCOVERV-LLVS

PSCOVERV-6K

PSCOVERV-LL200

Filters

Dissolution Accessories (DA) Dissolution Filters help deliver precision, accuracy and reliability to meet the most challenging dissolution applications. The unique structural characteristics of our lightweight, porous materials result in design flexibility and long-term value advantages. Fabricated from p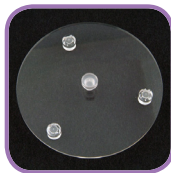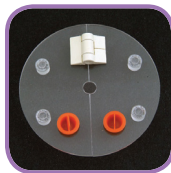olyethylene (PE) and ultra-high molecular weight compression fit and a strong, durable construction to withstand the rigors of automated equipment assembly. Additionally, our media is chemically-resistant to withstand most acids and bases and has an excellent appearance for a quality image.

Dissolution testing is a critical performance measurement in pharmaceutical tablet and capsule products. Used to determine the bioequivalence and absorption in the human body with in vitro-in vivo correlations, dissolution testing is conducted in apparatuses under a variety of test conditions according to the nature of the dosage form. Dissolution testing equipment removes, filters and collects sample aliquots for further analysis. DA Dissolution Media - cannula filters, filter disks and filter tips - are used to help filter contaminants and facilitate testing.

When a filter is required for clean sample collection and equipment protection, DA Dissolution Filters are the porous design solutions chosen by a broad spectrum of Dissolution equipment manufacturers to meet individual design and performance specifications.

Dissolution Filters

Dissolution Filters from Dissolution Accessories are used when samples are taken to prevent particles of tablet from getting into the sample and affecting the spectrophotometer or HPLC results.

Dissolution Accessories offers an extensive range of Dissolution Filters.

Choose between:

- Cannula filters - used when high levels of particulate are present.
- Filter Discs - Low volume sample probes may require an In-Line Filter Disc. These are designed to keep the filtration process outside the vessel.
- Filter Tips - smaller than cannula filters, filter tips fit on the end of larger diameter sample probes.

All filters are U.S. Pharmacopeia compliant where applicable and meet or exceed machine manufacturer specifications.

Cannula Filters

Manufactured from porous UHMWPE, Dissolution Accessories (DA) Cannula filters are used on the end of a sampling cannula and feature a large surface area and optimized flow rate for an ideal choice in applications with high presence of particulates. DA Cannula filters are available in 1, 4, 5, 10, 20, 35 and 70 microns sizes.

Filters Discs

Manufactured from porous PE, DA Filters Discs are circularfilters used with low-dimension sample probes in applications where it is important to keep the filtration outside of the vessels. DA Filter Discs are available in 10, 45, 70 and 90 micron sizes.

Filter Tips

Manufactured from porous PE, DA Filter Tips are used with low quantities of particulates and flow at the filter bottom. DA Filter Tips are available in 2, 5, 10, 20 and 45 micron sizes and can be used on sample cannulas with 1/6" diameter.

Filters

Caleva Compatible Cannula Filters

Caleva tablet dissolution baths normally use cannula style filters with a large range of porosities.

Part No.	Description	Quantity	OEM Ref
PSFIL001-CA-100 PSFIL001-CA-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	0810100 0810101
PSFIL004-CA-100 PSFIL004-CA-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	0810103 0810104
PSFIL010-CA-100 PSFIL010-CA-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	0810106 0810107
PSFIL035-CA-100 PSFIL035-CA-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	0810142 0810143
PSFIL040-CA-100 PSFIL040-CA-1000	40µm Cannula Filters, UHMW Polyethylene	100 1000	0810097 0810098
PSFIL070-CA-100 PSFIL070-CA-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	– –

Caleva Cannula Filter

Distek Compatible Filter Discs and Cannula Filters

Distek tablet dissolution baths utilise a **narrow sample probe** that incorporates a **small filter disc** at the top. As these small filters can become blocked, an **external filter at the end of the sample probe** may be used instead of, or in addition to the filter disc.

Part No.	Description	Quantity	OEM Ref
PSFIL010-DK	10µm Filter Discs, UHMW Polyethylene	1000	5720-0203
PSFIL045-DK	45µm Filter Discs, UHMW Polyethylene	1000	5720-0275
PSFIL070-DK	70µm Filter Discs, UHMW Polyethylene	1000	–
PSFIL090-DK	90µm Filter Discs, UHMW Polyethylene	1000	–
PSFIL01S-DK-100 PSFIL01S-DK-1000	1µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100 1000	–
PSFIL04S-DK-100 PSFIL04S-DK-1000	4µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100 1000	–
PSFIL10S-DK-100 PSFIL10S-DK-1000	10µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0500 5720-0501
PSFIL20S-DK-100 PSFIL20S-DK-1000	20µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100 1000	– –
PSFIL35S-DK-100 PSFIL35S-DK-1000	35µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0220-100 5720-0220-1000
PSFIL45S-DK-100 PSFIL45S-DK-1000	45µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0020-100 5720-0020-1000
PSFIL70S-DK-100 PSFIL70S-DK-1000	70µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100 1000	5720-0502 5720-0503

Distek Filter Disc

Distek Cannula Filter

Erweka — Compatible Cannula Filters

Erweka tablet dissolution baths normally use cannula style filters with a large range of porosities.

Part No.	Description	Quantity	OEM Ref
PSFIL001-EW-100	1µm Cannula Filters, UHMW Polyethylene	100	90-000-0013
PSFIL001-EW-1000		1000	90-000-0013
PSFIL004-EW-100	4µm Cannula Filters, UHMW Polyethylene	100	90-000-0023
PSFIL004-EW-1000		1000	90-000-0023
PSFIL010-EW-100	10µm Cannula Filters, UHMW Polyethylene	100	90-000-0033
PSFIL010-EW-1000		1000	90-000-0033
PSFIL020-EW-100	20µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL020-EW-1000		1000	–
PSFIL035-EW-100	35µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL035-EW-1000		1000	–
PSFIL040-EW-100	40µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL040-EW-1000		1000	–
PSFIL070-EW-100	70µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL070-EW-1000		1000	–

Erweka Cannula Filter

Hanson — Compatible Cannula Filters

Hanson Research dissolution baths normally use cannula style filters. The Hanson/Waters Dissolution/HPLC Interface uses a narrow bore (1/16" ID) filter instead of the normal cannula diameter. Both types are supplied, as listed below.

Part No.	Description	Quantity	OEM Ref
PSFIL001-HR-100	1µm Cannula Filters, UHMW Polyethylene	100	27-101-087
PSFIL001-HR-1000		1000	27-101-097
PSFIL004-HR-100	4µm Cannula Filters, UHMW Polyethylene	100	27-101-088
PSFIL004-HR-1000		1000	27-101-098
PSFIL010-HR-100	10µm Cannula Filters, UHMW Polyethylene	100	27-101-074
PSFIL010-HR-1000		1000	27-101-091
PSFIL020-HR-100	20µm Cannula Filters, UHMW Polyethylene	100	–
PSFIL020-HR-1000		1000	–
PSFIL035-HR-100	35µm Cannula Filters, UHMW Polyethylene	100	27-101-085
PSFIL035-HR-1000		1000	27-101-095
PSFIL045-HR-100	45µm Cannula Filters, UHMW Polyethylene	100	27-101-089
PSFIL045-HR-1000		1000	–
PSFIL070-HR-100	70µm Cannula Filters, UHMW Polyethylene	100	27-101-082
PSFIL070-HR-1000		1000	27-101-092
PSFIL10S-HR-100	10µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-083
PSFIL10S-HR-1000		1000	27-101-093
PSFIL35S-HR-100	35µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-086
PSFIL35S-HR-1000		1000	27-101-096
PSFIL45S-HR-100	45µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-090
PSFIL45S-HR-1000		1000	–
PSFIL70S-HR-100	70µm Cannula Filters, 1/16" (1.6mm) ID, UHMW Polyethylene	100	27-101-084
PSFIL70S-HR-1000		1000	27-101-094

PSFIL010-HR-100/1000

PSFIL070-HR-100/1000

PSFIL10S-HR-100/1000

Filters

Pharmatest *Compatible Cannula Filters*

Pharmatest dissolution baths normally use cannula style filters.

Part No.	Description	Quantity	OEM Ref
PSFIL001-PT-100 PSFIL001-PT-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL004-PT-100 PSFIL004-PT-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL005-PT-100 PSFIL005-PT-1000	5µm Cannula Filters, UHMW Polyethylene	100 1000	31-63511-50 –
PSFIL010-PT-100 PSFIL010-PT-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	31-63211-50 –
PSFIL020-PT-100 PSFIL020-PT-1000	20µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL035-PT-100 PSFIL035-PT-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL070-PT-100 PSFIL070-PT-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	– –

PSFIL001-PT-100/1000

Sotax *Compatible Cannula Filters*

Sotax dissolution baths use a closed design. For manual and automatic sampling it is necessary to mount the sampling cannula through the drive head of the bath. This allows the use of cannula filters.

Part No.	Description	Quantity	OEM Ref
PSFIL001-ST-100 PSFIL001-ST-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL004-ST-100 PSFIL004-ST-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL010-ST-100 PSFIL010-ST-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL020-ST-100 PSFIL020-ST-1000	20µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL035-ST-100 PSFIL035-ST-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL070-ST-100 PSFIL070-ST-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	– –

PSFIL035-ST-100/1000

Cannula Filter
Colour Coding

Cannula filters are colour coded for easy identification of porosity.

Electrolab | *Compatible Cannula Filters*

Part No.	Description	Quantity	OEM Ref
PSFIL001-EL-100 PSFIL001-EL-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL004-EL-100 PSFIL004-EL-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL010-EL-100 PSFIL010-EL-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL020-EL-100 PSFIL020-EL-1000	20µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL045-EL-100 PSFIL045-EL-1000	45µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL035-EL-100 PSFIL035-EL-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL070-EL-100 PSFIL070-EL-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFILSSH-EL-006	Stainless Steel filter with holder	6	0103A00051

PSFIL035-EL-100/1000.

Full Flow Filters

Part No.	Description	Quantity	OEM Ref
PSFIL001-FF-100 PSFIL001-FF-1000	1µm Cannula Filters, UHMW Polyethylene, Full Flow	100 1000	–
PSFIL004-FF-100 PSFIL004-FF-1000	4µm Cannula Filters, UHMW Polyethylene, Full Flow	100 1000	–
PSFIL010-FF-100 PSFIL010-FF-1000	Cannula Filter, 10 µm, UHMW Polyethylene, Full Flow	100 1000	SFF-10M, 400-105
PSFIL020-FF-100 PSFIL020-FF-1000	Cannula Filter, 20 µm, UHMW Polyethylene, Full Flow	100 1000	400-111
PSFIL035-FF-100 PSFIL035-FF-1000	Cannula Filter, 35 µm, UHMW Polyethylene, Full Flow	100 1000	400-102
PSFIL045-FF-100 PSFIL045-FF-1000	Cannula Filter, 45 µm, UHMW Polyethylene, Full Flow	100 1000	SFF-45M
PSFIL070-FF-100 PSFIL070-FF-1000	Cannula Filter, 70 µm, UHMW Polyethylene, Full Flow	100 1000	400-107

Full Flow Filter

Full Flow Filters are made of either Ultrahigh molecular weight polyethylene (UHMWPE) or the Polyvinylidene fluoride (PVDF), the Full Flow Filter offers increased surface area to optimize filter life and prevent clogging. In those instances where chemicals compatibility is an issue with UHMWPE, we offer PVDF filters. These are made of a low protein-binding material that can filter a wide variety of active drug substances. Both UHMWPE and PVDF filters can be used with 1/8" diameter cannulas and are available in packs of 100 or 1000.

Filters

Agilent (Varian/ Vankel) *Compatible Cannula Filters and Filter Tips*

VanKel baths normally use either cannula style filters or filter tips.
The filter tips fit on the end of larger diameter sample probes.

Part No.	Description	Quantity	OEM Ref
PSFIL001-01-100 PSFIL001-01-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL004-01-100 PSFIL004-01-1000	4µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL001-VK-100 PSFIL001-VK-1000	1µm Direct Fit Cannula Filters (no Tygon Tubing needed), UHMW Polyethylene	100 1000	–
PSFIL004-VK-100 PSFIL004-VK-1000	4µm Direct Fit Cannula Filters (no Tygon Tubing needed), UHMW Polyethylene	100 1000	–
PSFIL010-01-100 PSFIL010-01-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	17-4000
PSFIL010-VK-100 PSFIL010-VK-1000	10µm Direct Fit Cannula Filters (no Tygon tubing needed), UHMW Polyethylene	100 1000	– –
PSFIL020-01-100 PSFIL020-01-1000	20µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL035-01-100 PSFIL035-01-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	17-4010
PSFIL035-VK-100 PSFIL035-VK-1000	35µm Direct Fit Cannula Filters (no Tygon tubing needed), UHMW Polyethylene	100 1000	– –
PSFIL045-01-100 PSFIL045-01-1000	45µm Cannula Filters, UHMW Polyethylene	100 1000	– –
PSFIL070-01-100 PSFIL070-01-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	17-4020
PSFIL070-VK-100 PSFIL070-VK-1000	70µm Direct Fit Cannula Filters (no Tygon tubing needed), UHMW Polyethylene	100 1000	– –

Part No.	Description	Quantity	OEM Ref
PSFILTIP-02	2µm Filter Tips	1000	17-4100
PSFILTIP-05	5µm Filter Tips	1000	17-4110
PSFILTIP-10	10µm Filter Tips	1000	17-4120
PSFILTIP-20	20µm Filter Tips	1000	17-4130
PSFILTIP-45	45µm Filter Tips	1000	17-4140

PSFILTIP-45
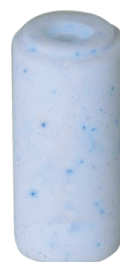
PSFIL010-01-100/1000

PSFIL035-01-100/1000

Logan *Compatible Filters*

Part No.	Description	Quantity	OEM Ref
PSFIL001-LG-100 PSFIL001-LG-1000	1µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL010-LG-100 PSFIL010-LG-1000	10µm Cannula Filters, UHMW Polyethylene	100 1000	200-1010T
PSFIL020-LG-100 PSFIL020-LG-1000	20µm Cannula Filters, UHMW Polyethylene	100 1000	–
PSFIL035-LG-100 PSFIL035-LG-1000	35µm Cannula Filters, UHMW Polyethylene	100 1000	200-1035T
PSFIL070-LG-100 PSFIL070-LG-1000	70µm Cannula Filters, UHMW Polyethylene	100 1000	200-1070T

PSFIL070-01-100/1000

Syringe Filters

Filtration is achieved by pushing the sample through the membrane with a syringe or other luer-connection device. Syringe filters allow you to control the rate of flow, which can be critical with delicate samples. Syringe filters also allow you to filter into nearly any tube, vial, or column.

Polysulfone membranes (PS) are all low protein binding, which makes them well suited for filtration of biological samples.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PS13-020-0150	0,2	150
PSDSC-PS13-045-0150	0,45	150
PSDSC-PS13-045-1500	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PS25-020-0150	0,2	150
PSDSC-PS25-045-0150	0,45	150
PSDSC-PS25-045-1500	0,45	1500 – Value Pack

PTFE membrane (HP) in a PP housing can be used to filter solvents and strong acids. Although PTFE is inherently hydrophobic, it can be made hydrophilic by pre-wetting the membrane with methanol and the rinsing with water.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-HP13-020-0150	0,2	150
PSDSC-HP13-045-0150	0,45	150
PSDSC-HP13-045-1500	0,45	1500 – Value Pack

25mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-HP25-020-0150	0,2	150
PSDSC-HP25-045-0150	0,45	150
PSDSC-HP25-045-1500	0,45	1500 – Value Pack

PTFE membrane (PB) filter units with hydrophobic Fluoropore membrane are ideal for sterilizing gases, venting sterile containers, and sterilizing or clarifying organic solutions.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PB13-020-0150	0,2	150
PSDSC-PB13-045-0150	0,45	1500 – Value Pack

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PB25-020-0150	0,2	150
PSDSC-PB25-045-0150	0,45	1500 – Value Pack

Syringe Filters

Nylon (NY) Is ideal for filtration of chromatography samples. Polypropylene membranes exhibit near zero extractables, are very resistant to solvents and most chemicals and would be the first choice for filtration of chromatography samples.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-NY13-020-0150	0,2	150
PSDSC-NY13-045-0150	0,45	150
PSDSC-NY13-045-1500	0,45	1500 – *Value Pack*
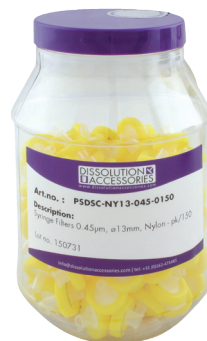
25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-NY25-020-0150	0,2	150
PSDSC-NY25-045-0150	0,45	150
PSDSC-NY25-045-1500	0,45	1500 – *Value Pack*

Polypropylene Hydrophobic membrane (PP) has wide chemical compatibility with organic solvents. Low non-specific protein binding. Applications: Filtration of biological samples, filtration of aggressive organic solutions. Polypropylene membranes are slightly hydrophobic and versatile in use. They are attacked by few substances and are relatively inert (except for strong oxidizing agents). They are highly stable and can be used for both aqueous and organic media.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PP13-020-0150	0,2	150
PSDSC-PP13-045-0150	0,45	150
PSDSC-PP13-045-1500	0,45	1500 – *Value Pack*

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PP25-020-0150	0,2	150
PSDSC-PP25-045-0150	0,45	150
PSDSC-PP25-045-1500	0,45	1500 – *Value Pack*

Cellulose acetate (CA) membrane are extremely low binding. Because of their unique strength and extremely low binding characteristics, cellulose acetate filters are ideal for protein and enzyme filtrations, tissue culture media sterilization, cold sterilization and biological fluid filtration.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-CA13-020-0150	0,2	150
PSDSC-CA13-045-0150	0,45	150
PSDSC-CA13-045-1500	0,45	1500 – *Value Pack*

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-CA25-020-0150	0,2	150
PSDSC-CA25-045-0150	0,45	150
PSDSC-CA25-045-1500	0,45	1500 – *Value Pack*

PVDF (PV) membrane with good solvent resistance. Low UV absorbing extractables and low non-specific binding. Applications: General biological filtration, filtration of samples where high protein recovery is desired. Polyvinylidenefluoride membranes are used for general biological filtration and in cases where high protein recovery is desired. It has slight hydrophilic properties and can be used for clear filtration and sterilization of aqueous solutions.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PV13-020-0150	0,2	150
PSDSC-PV13-045-0150	0,45	150
PSDSC-PV13-045-1500	0,45	1500 – *Value Pack*

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PV25-020-0150	0,2	150
PSDSC-PV25-045-0150	0,45	150
PSDSC-PV25-045-1500	0,45	1500 – *Value Pack*

33 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PV33-020-0150	0,2	150
PSDSC-PV33-045-0150	0,45	150

Glass Fiber (GF) membrane has a Larger Porosity; able to remove large particulates without clogging. Applications: Primarily used as a pre-filter in conjunction with another membrane. Can be paired with most membranes - but typically with RC, CA, Nylon and PVDF. Glass Fiber membranes are used for preliminary filtration or filtration of media that is difficult to filter. The three dimensional filter surface provides much greater intake capacity for contaminating particles than two-dimensional membranes provide. Glass Fiber is inert to solvents, acids and bases.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-GF13-020-0150	0,2	150
PSDSC-GF13-045-0150	0,45	150
PSDSC-GF13-045-1500	0,45	1500 – *Value Pack*

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-GF25-020-0150	0,2	150
PSDSC-GF25-045-0150	0,45	150
PSDSC-GF25-045-1500	0,45	1500 – *Value Pack*
PSDSC-GF25-100-0150	1	150

Looking for other membrane material or other syringe diameters?

Please contact us!

Syringe Filters

Regenerated Cellulose (RC) membrane are optimal for filtering organic solvents because of their strong chemical resistance. Regenerated cellulose material is also applicable for organic and aqueous media. Regenerated Cellulose is a pure cellulose which has been treated in a chemical bath for better chemical resistance. Regenerated Cellulose has a lower molecular weight and the structure is not as orderly as it is for other cellulose.

13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-RC13-020-0150	0,2	150
PSDSC-RC13-045-0150	0,45	150
PSDSC-RC13-045-1500	0,45	1500 – *Value Pack*

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-RC25-020-0150	0,2	150
PSDSC-RC25-045-0150	0,45	150
PSDSC-RC25-045-1500	0,45	1500 – *Value Pack*

Polyester (PT) membrane
13 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PT13-020-0150	0,2	150
PSDSC-PT13-045-0150	0,45	150
PSDSC-PT13-045-1500	0,45	1500 – *Value Pack*

25 mm syringe filters

Part No.	Pore size (um)	Pack Size
PSDSC-PT25-020-0150	0,2	150
PSDSC-PT25-045-0150	0,45	150
PSDSC-PT25-045-1500	0,45	1500 – *Value Pack*

8-Channel Filter Plates suited for the Agilent 850-DS, a disposable filter plate in various membrane materials.

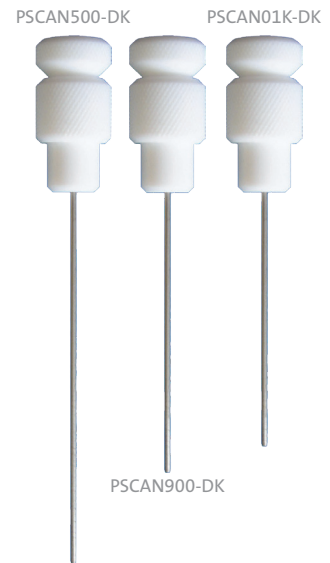| Part No.	Material	Pore size (um)	Pack Size
PSFPL-NY25-045-050	Nylon filter Membrane	0,45µm	pk/50
PSFPL-HP25-045-050	PTFE filter Membrane	0,45µm	pk/50
PSFPL-GF25-070-050	Glass Fiber filter Membrane	0,70µm	pk/50

Soon Available

Sampling Cannulae

Caleva Compatible Sampling Cannulae

Part No.	Description	OEM Ref
PSCAN475-SC	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-SC	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCAN475-PC	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-PC	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCANSTP-CA	Adjustable Cannula Stopper	–

PSCAN775-SC

PSCAN475-SC

PSCAN775-PC

PSCAN475-PC

Distek Compatible Sampling Cannulae

Part No.	Description	OEM Ref
PSCAN500-DK	500ml Sampling Probe	2910-0500
PSCAN900-DK	900ml Sampling Probe	2910-0900
PSCAN01K-DK	1000ml Sampling Probe	2910-1000
PSCAN5PK-DK16	500ml PEEK Sampling Probe, 1/16" (1.6mm) OD	–
PSCAN9PK-DK8	900ml PEEK Sampling Probe, 1/8" (3.2mm) OD	–
PSCANRET-DK	Return Probe	2910-0001
PSCAN-STP-065-53	Distek/Hanson 1/16" (1.6mm) Self-Tightening Cannula Stopper for Distek Covers	–
PSFILASY-DK	Inline Filter Housing Assembly for Distek Style Filters	–
PSLE87-6	Male Luer to Female Luer, Thread Style Elbow	5720-9074
PSSFTL-6	Female Luer Lug Style with 5/16" Hex to 1/4-28 UNF Thread	5720-9059
PSSMTLL-6	Male Luer Integral Lock Ring to 1/4-28 UNF Thread	5720-9060

PSCAN500-DK

PSCAN01K-DK

PSCAN900-DK

PSCANRET-DK   PSCANSTP-065-53   PSFILASY-DK   PSLE87-6   PSSFTL-6   PSSMTLL-6

Filters for all Cannulae – *See pages 33-38*

Sampling Cannulae

PSCAN015-PH

PSCAN775-PH

PSCAN475-PH

Erweka Compatible Sampling Cannulae

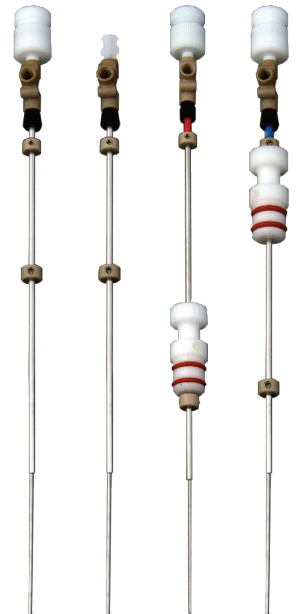| Part No.	Description	OEM Ref
PSCAN475-SH	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-SH	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCAN015-SH	380mm (15") Bent Stainless Steel Cannula with Luer Adapter, Through Head Mount	–
PSCAN475-PH	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-PH	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCAN012-EW	310mm Bent Stainless Steel Cannula with Luer Adapter for Low head systems	–
PSCAN015-PH	380mm (15") Bent PEEK Cannula with Luer Adapter, Through Head Mount	–
PSCANSTP-EW	Adjustable Cannula Stopper	–

PSCAN475-SH

PSCAN775-SH

PSCAN015-SH

Sotax Compatible Sampling Cannulae

Part No.	Description	OEM Ref
PSCAN013-ST	330mm (13") Bent Stainless Steel Cannula with Luer Adapter, Through Head Mount	–
PSCAN013-ST-5	330mm (13") Stainless Steel Cannula, Including Stopper and Sleeve, for 500ml Sampling	–
PSCAN013-ST-9	330mm (13") Stainless Steel Cannula, Including Stopper and Sleeve, for 900ml Sampling	–
PSPRBFSR-ST	Combined Sample/Return Cannula with Filter Housing	–
PSPRBNSR-ST	Combined Sample/Return Cannula without Filter Housing	–
PSPRBFSR-5S	500ml Sample/Return Probe Fixed with Filter Housing, Stopper & Up/Down Collars	–
PSPRBFSR-9S	900ml Sample/Return Probe Fixed with Filter Housing, Stopper & Up/Down Collars	–
PSCANSTP-ST	Adjustable Cannula Stopper (for use with PSCAN013-ST)	–
PSCADSTP-ST	Validation Stopper (two holes for manual and auto cannulae)	–

PSPRBFSR-ST   PSPRBFSR-5S

PSPRBNSR-ST   PSPRBFSR-9S

PSCANSTP-ST   PSCAN013-ST   PSCAN013-ST-5   PSCAN013-ST-9

Hanson *Compatible Sampling Cannulae*

Part No.	Description	OEM Ref
PSCAN475-HR	4.75" (120mm) Bent Stainless Steel Cannula with Luer Adapter and Permanent Tip	–
PSCAN775-HR	7.75" (195mm) Bent Stainless Steel Cannula with Luer Adapter and Permanent Tip	–
PSCAN015-HR	15" (380mm) Bent Stainless Steel Cannula, 1/8" (3.2mm) OD, 0.085" (2.2mm) ID	72-300-304
PSCAN475-SH	4.75" (120mm) Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling, 1/8" (3.2mm) OD	95-590-002
PSCAN775-SH	7.75" (195mm) Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling, 1/8" (3.2mm) OD	95-590-001
PSCAN015-SH	15" (380mm) Bent Stainless Steel Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	95-590-003
PSCANS15-SH	15" (380mm) Straight Stainless Steel Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	–
PSCAN475-PH	4.75" (120mm) Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling, 1/8" (3.2mm) OD	95-590-005
PSCAN775-PH	7.75" (195mm) Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling, 1/8" (3.2mm) OD	95-590-004
PSCAN015-PH	15" (380mm) Bent PEEK Cannula with Luer Adapter, Through Head Mount, 1/8" (3.2mm) OD	95-590-006
PSCANS15-PH	15" (380mm) Straight PEEK Cannula with Luer Adapter, 1/8" (3.2mm) OD	–

Part No.	Description	OEM Ref
PSCANSTP-065-53	Distek/Hanson 1/16" (1.6mm) Self-Tightening Cannula Stopper for Distek Covers	–
PSCANSTP-125-31	Hanson 1/8" (3.2mm) OD Self-Tightening Cannula Stopper for VanKel Covers	–
PSCANSTP-125-53	Hanson 1/8" (3.2mm) OD Self-Tightening Cannula Stopper for Distek Covers	–
PSTUMSCR-HR	Adjustable Cannula Stopper (for use with all 15" (380mm) cannulae)	–

PSCANSTP-065-53

PSTUMSCR-HR

PSCANSTP-125-31

PSCANSTP-125-53

PSCANS15-SH

PSCAN015-SH
PSCAN775-SH
PSCAN475-SH

PSCAN015-PH
PSCAN775-PH
PSCAN475-PH

PSCANS15-PH

PSCAN475-HR

PSCAN775-HR

PSCAN015-HR

Sampling Cannulae

Agilent (Varian/ Vankel) Compatible Sampling Cannulae

Part No.	Description	OEM Ref
PSCAN475-01	4.75" (120mm) bent S.S. cannula with luer adapter, for 900ml sampling, 0.083" (2.1mm) OD	12-3200
PSCAN775-01	7.75" (195mm) bent S.S. cannula with luer adapter, for 500ml sampling, 0.083" (2.1mm) OD	12-3210
PSCA8475-VK	4.75" (120mm) bent S.S. cannula with luer adapter, for 900ml sampling, 1/8" (3.2mm) OD	–
PSCA8775-VK	7.75" (195mm) bent S.S. cannula with luer adapter, for 500ml sampling, 1/8" (3.2mm) OD	–
PSCA8015-VK	15" (380mm) bent S.S. cannula with luer adapter, through head mount, 1/8" (3.2mm) OD	–
PSCA8475-PV	4.75" (120mm) bent PEEK cannula with luer adapter, for 900ml sampling, 1/8" (3.2mm) OD	–
PSCA8775-PV	7.75" (195mm) bent PEEK cannula with luer adapter, for 500ml sampling, 1/8" (3.2mm) OD	–
PSCA8015-PV	15" (380mm) bent PEEK cannula with luer adapter, through head mount, 1/8" (3.2mm) OD	–
PSCANRET-25	2.5" (65mm) Autosampling Return Cannula	17-3320
PSCAN900-45	4.5" (115mm) Autosampling Cannula	17-3300
PSCAN500-60	6.5" (165mm) Autosampling Cannula	17-3305
PSPROBEX-VK	500ml Cannula Extension Kit	17-3306
PSCAN-STP-078-31	VanKel Standard Self-Tightening Cannula Stopper for VanKel Covers	–
PSCAN-STP-142-31	VanKel 1/8" (3.2mm) OD Self-Tightening Cannula Stopper for VanKel Covers	–

PSPROBEX-VK

PSCANSTP-078-31

PSCANSTP-142-31

PSCANRET-25

PSCAN900-45

PSCAN475-01

PSCAN500-60

PSCAN775-01

PSCA8475-VK

PSCA8775-VK

PSCA8475-PV

PSCA8775-PV

PSCA8015-VK

PSCA8015-PV

Pharmatest — *Compatible Sampling Cannulae*

Part No.	Description	OEM Ref
PSCAN475-SP	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-SP	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCAN475-PP	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-PP	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCANSTP-PT	Adjustable Cannula Stopper	–

PSCAN775-SP

PSCAN475-SP

ElectroLab — *Compatible Sampling Cannulae*

Part No.	Description	OEM Ref
PSCAN475-EL	120mm (4.75") Bent Stainless Steel Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-EL	195mm (7.75") Bent Stainless Steel Cannula with Luer Adapter, for 500ml Manual Sampling	–
PSCAN475-PE	120mm (4.75") Bent PEEK Cannula with Luer Adapter, for 900ml Manual Sampling	–
PSCAN775-PE	195mm (7.75") Bent PEEK Cannula with Luer Adapter, for 500ml Manual Sampling	–

PSCAN775-EL

PSCAN475-EL

Sampling Cannulae

Hi-Cap High Capacity Sampling Cannulae

Increased capacity for most brands of dissolution bath

Available for 500ml, 900ml and 1000ml tests, this new style sampling probe has an inert twist-lock housing which safely contains a standard VanKel cannula filter. This means that the same cannula filters can be used for different dissolution baths, offering increased flexibility.

The surface area of the VanKel cannula filter is greater than 7 times that of the small filter disc that is traditionally used in this style of sample probe.

The Hi-Cap's thin low-volume stainless steel cannula can remain in the vessel throughout the dissolution test without affecting the dissolution result, removing the need for an automated probe lift. The cannula simply sits in the vessel cover and samples from the same position every time.

Cannula Assembly

Part No.	Description	OEM Ref
PSCAN500-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 500ml	–
PSCAN900-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 900ml	–
PSCAN01K-DV	Hi-Cap High capacity sampling cannula for most dissolution baths, 1000ml	–

Agilent (Varian/ Vankel)

Compatible Cannula Filters (See page 32)

Part No.	Description	Quantity	OEM Ref
PSFIL010-01-100	10µm Cannula Filters, UHMW	100	17-4000
PSFIL010-01-1000	Polyethylene	1000	17-4000
PSFIL020-01-100	20µm Cannula Filters, UHMW	100	–
PSFIL020-01-1000	Polyethylene	1000	–
PSFIL035-01-100	35µm Cannula Filters, UHMW	100	17-4010
PSFIL035-01-1000	Polyethylene	1000	17-4010
PSFIL045-01-100	45µm Cannula Filters, UHMW	100	–
PSFIL045-01-1000	Polyethylene	1000	–
PSFIL070-01-100	70µm Cannula Filters, UHMW	100	17-4020
PSFIL070-01-1000	Polyethylene	1000	17-4020

Twist lock cap

Filter

Cannula

PSCAN01K-DV

NEED HELP SELECTING THE CORRECT CANNULA FOR YOUR APPLICATION? EMAIL **sales@dissolution accessories.com**

Transdermal Patch Holders and Accessories

H = Hanson   V = VanKel

Part No.	Description	OEM Ref
PSAPPFIVE-HR	Extraction Cell, 45mm, 4,13ml	65-190-093 H
PSAPPFIVE-HRCLIP	Plastic Clip for PSAPPFIVE-HR (each)	65-190-205 H
PSAPPFIVE-HRSCR	17 Mesh PTFE Screen for PSAPPFIVE-HR	65-190-190 H
PSAPPFIVE-V35	Transdermal Patch Holder, 1.38" (35mm) Opening (40 Mesh Screen)	12-4200 V
PSAPPFIVE-V56	Transdermal Patch Holder, 2.20" (56mm) Opening (120 Mesh Screen)	12-4230 V
PSAPPFIVE-V80	Transdermal Patch Holder, 3.15" (80mm) Opening (16 x 16 Mesh Screen)	–
PSTD400017	Transdermal Patch Holder (35mm) Opening (125 Mesh Screen)	Generic
PSAPP5S16-35	16 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	–
PSAPP5S20-35	20 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	–
PSAPP5S30-35	30 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	–
PSAPP5S40-35	40 Mesh 316 Stainless Steel Screen for PSAPPFIVE-V35 (pack of 25)	12-4210
PSAPP5S120-56	120 Mesh 316 Stainless Steel Screen for PSAPPIVE-V56 (pack of 25)	12-4231
PSAPP5S125-56	125 Mesh 316 Stainless Steel Screen for PSTD40017 (pack of 25)	–
PSCUP.03.002	Cuprophan 500x500mm, pk/10	Generic

PSAPPFIVE-HR

PSAPPFIVE-V80

PSAPPFIVE-V56

PTFE Suspension Cups

For suspensions, the PTFE suspension cup is a weighted holder with a hemispheric bottom designed to sit at the bottom of a standard 1L vessel to control the exposed surface area. The suspension is weighed in the center cup prior to analysis in order to correlate the release rate.
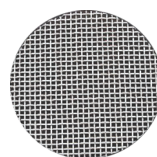
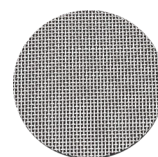| Part No.	Description	OEM Ref
PSSUSCUP-WH	Weighted holder, 5.72 cm OD, 0.52 cm ID	12-4050
PSSUSCUP-178	Insert cup, 17.5x8.2 mm, use with p/n PSSUSCUP-WH	12-4055
PSSUSCUP-208	Insert cup, 20x8.2 mm, use with p/n PSSUSCUP-WH	12-4060

PSSUSCUP-178

PSAPPFIVE-V35
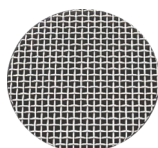
PSAPP5S16-35

PSAPP5S20-35

PSAPP5S30-35

Transdermal Testing

Enhancer Cell

Used in research, quality control and product development laboratories, the Enhancer Cell provides release rate data for topicals using the Apparatus 1 or 2 with a standard 1L paddle method or 200 mL vessel with mini paddle.

The Enhancer Cell is a PTFE cell with adjustable volume and retaining cap to eliminate air pockets trapped against the skin or artificial membrane that provide the diffusion barrier.

Part No.	Description	OEM Ref
PSENHANC-040	Enhancer Cell, 4 cm2 surface area membrane	–
PSENHANC-020	Enhancer Cell, 2 cm2 surface area membrane	–
PSENHANC-005	Enhancer Cell, 0.5 cm2 surface area membrane	–
SENHANC-TOL	Adjustment tool, for all Enhancer Cell sizes	–

Extraction cell acc. to EP 2.9.4. chapter 3

The cell holds the patch flat, with the release surface uppermost and parallel to the bottom of the paddle blade. A distance of 25 ± 2 mm is maintained between the paddle blade and the surface of the patch. The temperature is maintained at 32 ± 0.5 °C. The vessel may be covered during the test to minimise evaporation.

Part No.	Description	OEM Ref
PSEXCELL-27	Extraction Cell, 27mm, 1,48ml	–
PSEXCELL-38	Extraction Cell, 38mm, 2,94ml	–
PSEXCELL-45	Extraction Cell, 45mm, 4,13ml	–
PSEXCELL-52	Extraction Cell, 52mm, 5,52ml	–

Looking for other related equipment for studying membrane transport and drug diffusion through biological and synthetic membranes?

Please contact us!

Rotating Cylinder

Erweka

Part No.	Description	OEM Ref
PSAPPSIX-EW01	Rotating Cylinder S.S., UniShaft, short version, to screw to Shaft	81-000-9000
PSAPPSIX-EW01L	Rotating Cylinder S.S., UniShaft, long version, to screw to Shaft	81-000-9010
PSAPPSIX-EW02	Rotating Cylinder S.S., MagniShaft short version, with Shaft for Low-Head use	84-000-9000
PSAPPSIX-EW02L	Rotating Cylinder S.S., MagniShaft long version, with Shaft for Low-Head use	84-000-9010

Agilent (Varian/ Vankel)

Part No.	Description	OEM Ref
PSAPPSIX-01	Rotating Cylinder for Transdermal Patches, 316 S.S.	12-1371
PSAPPSIX-EX	Rotating Cylinder Extension, 316 S.S.	–
PSAPPSIX-01L	Long version Rotating Cylinder (incl. Extension)	–

Hanson

Part No.	Description	OEM Ref
PSAPPSIX-HR	Rotating Cylinder for Transdermal Patches, 316 S.S.	65-590-011
PSAPPSIX-EX	Rotating Cylinder Extension, 316 S.S.	65-590-012
PSAPPSIX-HRL	Long version Rotating Cylinder (incl. Extension)	–

Distek

Part No.	Description	OEM Ref
PSAPPSIX-DK	Rotating Cylinder for Transdermal Patches, 316 S.S.	3200-0142
PSAPPSIX-EX	Rotating Cylinder Extension, 316 S.S.	3200-0144
PSAPPSIX-DKL	Apparatus 6 Rotating Cylinder, 4.25 inch, Set of 6	3200-0145
PSAPPSIX-DKL	Long version Rotating Cylinder, (incl. Extension)	–

Electrolab

Part No.	Description	OEM Ref
PSAPPSIX-EL	Rotating Cylinder for Transdermal Patches, Electropolished 316 Stainless Steel	0103A00184
PSAPPSIX-ELL	Long version Rotating Cylinder	0103A00183

Sotax

Part No.	Description	OEM Ref
PSAPPSIX-ST	Rotating Cylinder for Transdermal Patches, Electropolished 316 Stainless Steel	7663
PSAPPSIX-EX	Rotating Cylinder Extension Electropolished 316 Stainless Steel	–

PSAPPSIX-EX

Rotating Cylinder viewed from below

PSAPPSIX-01

Biodissolution Accessories

Caps & Covers

Part No.	Description	OEM Ref	
PSEVACOV-05	PVC Evaporation Cover for 300ml Glass Vessels	27-1500	V
PSEVACOV-07	PTFE Evaporation Cover for 300ml Glass Vessels	–	
PSLOWCAP-03	Lower Cap for 300ml Glass Vessels	27-1020	V
PSLOWCAP-05	Lower Cap for 300ml Glass Vessels, Wider VanKel Style	27-1050	V
PSUPPCAP-03	Upper Cap for 300ml Glass Vessels	27-1000	V

PSEVACOV-05   PSEVACOV-07   PSLOWCAP-03   PSLOWCAP-05   PSUPPCAP-03

Vessels & Sampling Tubes

| Part No.	Description	OEM Ref	
PSGLA300-01	Outer Vessel, 300ml, Clear Glass, Non-graduated	–	
PSGLA300-02	Outer Vessel, 300ml, Clear Glass, Graduated	27-5100	V
PSGLA300-03	Outer Vessel, 300ml, Clear Glass, Class A, with 250ml mark	–	
PSGLA300-AV	Outer Vessel, 300ml, Amber Glass, Non-graduated	–	
PSGLAIST-01	Inner Sampling Tube, 100ml, Clear Glass	27-5000	V
PSGLAIST-AV	Inner Sampling Tube, 100ml, Amber Glass	–	

PSGLA300-01   PSGLA300-02   PSGLA300-03   PSGLA300-AV

Screens

Screens with 1.25" diameters for 300ml glass vessels.

| Part No.	Description	OEM Ref	
PSMSHSCR-20	20 Mesh 316 Stainless Steel Screen	27-2100	Ⓥ
PSMSHSCR-30	30 Mesh 316 Stainless Steel Screen	27-2103	Ⓥ
PSMSHSCR-40	40 Mesh 316 Stainless Steel Screen	27-2105	Ⓥ
PSPOLSCR-20	20 Mesh Polypropylene Screen	27-2000	Ⓥ
PSPOLSCR-30	30 Mesh Polypropylene Screen	–	
PSPOLSCR-40	40 Mesh Polypropylene Screen	27-2005	Ⓥ
PSPOLSCR-1K	100 Mesh Polypropylene Screen	27-2015	Ⓥ

PSGLAIST-01
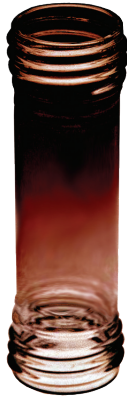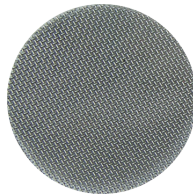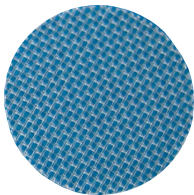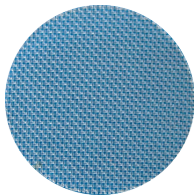
PSGLAIST-AV
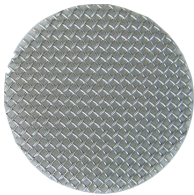
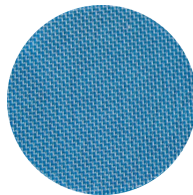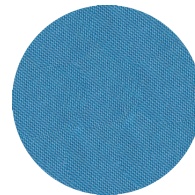PSMSHSCR-20
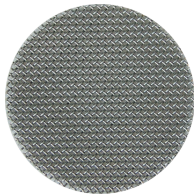
PSMSHSCR-30

PSMSHSCR-40

PSPOLSCR-20

PSPOLSCR-30

PSPOLSCR-40

PSPOLSCR-1K

Ⓥ = VanKel

ASTM Calibration Tools

ASTM Validation Toolkit

For a diversity of dissolution systems and purposes different tools are available. Dissolution Accessories provides you with a broad range of tools used for quick reference, detailed mechanical qualification and requalification.

**For Mechanical Qualification different procedures are available.
One of them is ASTM procedure E2503.**

ASTM International, *American Society for Testing and Materials (ASTM)*, is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services.

Dissolution Accessories assembled an ASTM Validation Toolkit capable to perform mechanical qualification according ASTM or USP for a wide range dissolution systems.

Among the systems supported are:

- Hanson
- VanKel/Varian/Agilent
- Distek
- Erweka
- Sotax
- Pharmatest
- ElectroLab

The Validation toolkit comes with a step by step user guide. Features:

- Gauge with digital readout
- Digital Level
- Set gauge
- Height measurement adapter
- Centering measurement adapter
- Wobble adapter (incl. cover and brackets)
- Calibrated shaft (incl. retaining ring)
- Depth Gauge (for USP 1 and 2)
- Tachometer (optional)
- Thermometer (optional)

The Dissolution Accessories toolkit provides you the tools to perform apparatus 1 & 2 ASTM measurements.

- System leveling measurements
- Shaft and Vessel verticality
- Vessel centering
- Wobble
- Depth measurement
- Temperature measurements (optional)
- Speed measurements (optional)

Part No.	Description
PSASTMKT-HDA	ASTM Validation Tool kit for Hanson, Distek, Varian/VanKel
PSASTMKT-EP	ASTM Validation Tool kit for Erweka, PharmaTest
PSASTMKT-ST	ASTM Validation Tool kit for Sotax
PSASTMKT-EL	ASTM Validation Tool kit for Electrolab
PSASTMEX-EP	Expansion kit to make it "EP" compatible, incl. extra shafts
PSASTMEX-ST	Expansion kit to make it "ST" compatible, incl. shaft and adapter ring

Calibration Tools

Before analysis a reference/adjustment of paddle/basket height can be needed. DA has several adjustment reference tools as Height spacers, ball gauges, and depth set gauges specific for dissolution system for USP (1, 2, 5 and 6) method. In order to overcome different depth tools a universal depth gauge is available

Part No.	Description	OEM Ref
PSDPSPBK-HR	Basket Height Spacer, Hanson	72-800-501
PSDPSPPD-HR	Paddle Height Spacer, Hanson	72-800-502
PSDPSPBK-VK	Basket Height Spacer, VanKel	12-7210
PSDPSPPD-VK	Paddle Height Spacer, VanKel	12-7200
PSCALHTA5-35	Calibration Height Tool App 5, 35mm patch holders	Universal
PSCALHTA5-56	Calibration Height Tool App 5, 56mm patch holders	Universal
PSCALHTA5-80	Calibration Height Tool App 5, 80mm patch holders	Universal
PSCALHTA6-UN	Calibration Height Tool App 6	Universal
PSDEPSET-MI	Ball Style Depth Set Gauge	Universal
PSDEPSET-SB	Stationary Basket Spacer, 1cm –	Universal

PSDEPSET-SB

PSDPSPBK-VK

PSDPSPPD-VK

For requalification purposes also smaller kits are available as a Wobble measurement Kit, Tachometer, Thermometer and Digital Level.

Part No.	Description	OEM Ref
PSCNTGAG-MI	Multi-Instrument Vessel Centering Gauge	Universal
PSLEVEL-UN	Universal Precision Spirit Level	Universal
PSVERTMET-MI	Digital Verticality Meter, Protractor	Universal
PSVIBMET-UN	Vibration Meter with probe and case	Universal
PSWOBMET-MI	Wobble Meter (including vessel cover and brackets) for all open top baths	Universal
PSWOBMET-ST	Wobble Meter (including vessel cover and brackets) for SOTAX AT7	Universal
PSTHERMD-LC	Calibrated Digital Thermometer	Universal
PSTACHOM-UN	Optical Tachometer	Universal

PSWOBMET-MI

PSLEVEL-UN

PSCALHTA6-UN

PSCALHTA5-35

TACHOMETER

DIGITAL VERTICALITY METER

CENTERING GAUGE

THERMOMETER

Calibration Tools

Model SenseLine F410 *pH/mV/°C Meter*

- Clear display of measured values and settings
- Watertight and dustproof to IP67 specifications
- Continue indication of electrode and battery status
- Automatic endpoint and buffer recognition
- Automatic Temperature Compensation
- Data memory for 30 GLP data points
- 3-point calibration with predefined or user-defined buffers

Specifications				Ordering Information	
F410	**Measuring range**	**Resolution**	**Accuracy**	**F410**	Meter only option includes F410 pH portable meter, operation manual and four AA batteries
pH	0.00 ~ 14.00	0.01	± 0.01	**F410T**	Meter kit option includes F410 + 2 pH buffers + KCl solution + epoxy pH electrode with built-in ATC (IP67) and carrying case
mV	1999 ~ 1999	1	±1		
Temperature	5.0 ~ 105 °C	0.1 °C	± 0.5 °C		
Sensor inputs	BNC (>10^{12}Ω); NTC 30 KΩ (both IP67)				
Power requirements	4AA batteries 1.5V or NiMH accumulators 1.3V				
Operation environment	0 ~ 40 °C, 5 ~ 85% rel. humidity (non-cond.)				
Size / Weight	220 x 90 x 45mm / 325g (without batteries)				

QP4111T	General purpose epoxy pH-electrode with temperature compensator, 12x120mm, 0-14 pH, 0-80°C.

Measure Oxygen of your Degassed Dissolution Media!

Model SenseLine Plus F450 portable Dissolved Oxygen/°C Meter

- Manual or automatic air pressure compensation with built-in barometer
- High-performance O_2 sensor
- Measures saturations %, ppm or mg/L
- Comprehensive range of accessories
- Data memory for 200 GLP data points
- On/off Backlit display
- Linear and non linear temperature compensation
- Separate operation modes for expert and routine use
- Contact-free infrared communication with notebook, printer or PC
- Meter is supplied with a calibration certificate

Media Degassing

All dissolution media should be degassed before it is placed in the dissolution vessel. Incorrectly prepared media can cause results that are either to great or too small. High results can occur when the bubbles adhere to the surface of the tablet particles, increase their buoyancy, and raise them to a higher part of the vessel where the media flow is quicker. Lower results can occur if the bubbles adhere to the surface of the basket or the tablet forming a physical barrier between the tablet and the media.

If a liquid is left to stand in air, they will form a natural equilibrium over a period of time so that a portion of the gas is dissolved in the liquid. The volume of dissolved gas is dependent on the temperature of the media and the pressure of the gas. Unlike the behaviour with solids the saturation level of gases decreases with temperature. The equilibrium value of oxygen in water drops from 8.74mg/l at 22°C to 7.73mg/l at 37°C (130% of the value at room temperature). Therefore if the media is heated it becomes supersaturated with air and air bubbles will form.

The effects on a dissolution rate can be significant, particularly with prednisone tablets. In some test results the rate of dissolution was higher by more than 30% when all the dissolved gases were removed. There is a linear relationship between the amount of dissolved gas and the rate of dissolution and a lot of low failures may be caused by the effects of unwanted gases in the media.

The release of gases from the media can be prevented if the level of gas is reduced before heating — to avoid possible problems a value at least 5% below saturation at the test temperature should be provided.

Typically the deaeration is measured by volume of dissolved oxygen present in the media as it is easy to measure directly with sensitive electrodes and has a virtually pH independent solubility in water. Oxygen is much easier to measure than nitrogen and the relationship between the level of air and that of oxygen is well correlated. It is important that the level of oxygen is always given an absolute value in parts per million (ppm). Values that are given as a percentage of dissolved air are not sufficient as these are dependent on the temperature of the media. When using an oxygen meter it is important that the media being prepared is water as an additive such as acid or buffer may adversely affect the reading.

Specifications			
F450	**Measuring range**	**Resolution**	**Accuracy**
Saturation	0.0 ~ 600%	0.1 ~ 1	± 0.5%
Temperature	0.0 ~ 60 °C	0.1 °C	± 0.1°C
mg/L, ppm	0.00 ~ 99.00	0.1 °C	± 0.5% max. 0.03
Pressure	500 ~ 1100 mbar	1	± 1
Sensor inputs	BNC (>10^{12} Ω); NTC 22 KΩ (both IP67)		
Outputs	IR to printer or PC via RS232 or USB		
Power requirements	4 AA batteries 1.5V or NiMH accumulators 1.3V		
Operation environment	0 ~ 40 °C, 5 ~ 85% rel. humidity (non-cond.)		
Size / Weight	220 x 90 x 45mm / 325g (without batteries)		

Ordering Information	
F450T	Meter kit option includes F450 + Zero solution + electrolyte + epoxy DO electrode with built-in ATC (IP67) and carrying case
QD2400T	Spare DO electrode for F450.

Calibration Tools

Conductivity Measurements According USP and EP
Go to USP mode!

Model M330 Conductivity/TDS/Salinity Meter

- Linear or non-linear temperature compensation
- USP mode: satisfies the current requirements for purified water
- Manual input and presentation of the cell constant
- Automatic Conductivity standard recognition
- Measures: Conductivity, TDS, Resistivity, Salinity and Temperature
- Expandable to a two-channel system (pH/mV/ORP and Ion)
- Data management with 1000 GLP data points
- Pin code password protection
- Full GLP menu
- Temperature reference is selectable (20°C or 25°C)
- Self-diagnostics
- 4-Pole Electrode technology
- Meter is supplied with a calibration certificate

Water Conductivity

CONDUCTIVITY USP29-NF24

Electrical conductivity in water is a measure of the ion-facilitated electron flow through it. Water molecules dissociate into ions as a function of pH and temperature and result in a very predictable conductivity. Some gases, most notably carbon dioxide, readily dissolve in water and interact to form ions, which predictably affect conductivity as well as pH. For the purpose of this discussion, these ions and their resulting conductivity can be considered intrinsic to the water.

Water conductivity is also affected by the presence of extraneous ions. The extraneous ions used in modelling the conductivity are the chloride and sodium ions. The conductivity of the ubiquitous chloride ion (at the theoretical endpoint concentration of 0.47 ppm when it was a required attribute test in USP XXII and earlier revisions) and the ammonium ion at the limit of 0.3 ppm represents a major portion of the allowed water impurity level. A balancing quantity of cations, such as sodium ion, is included in this allowed impurity level to maintain electro neutrality. Extraneous ions such as these may have significant impact on the water's chemical purity and suitability for use in pharmaceutical applications. The combined conductivities of the intrinsic and extraneous ions vary as a function of pH and are the basis for the conductivity.

For the complete procedure for measuring the conductivity of Purified Water and Water for Injection, please make an inquiry at info@dissolutionaccessories.com

Specifications

M330	Measuring range	Resolution	Accuracy
Conductivity	0.01 µS/cm ~ 1000 mS/cm	0.01 ~ 1	± 0.5%
Temperature	-5.0 ~ 130 °C	0.1 °C	± 0.1°C
TDS	0.01 mg/L ~ 1000 g/L	0.01 ~ 1	± 0.5%
Resistivity	0.00 ~ 20.00 MΩ cm		
Salinity	0.00 ~ 80.00 ppt		
Sensor inputs	Mini-DIN		
Interfaces	RS232 (connection to printer or PC), titrator output		
Power requirements	Power adapter (9V, DC)		
Size / Weight	190 x 240 x 65mm / 985g		

Ordering Information

M330	Meter only option includes M330 Conductivity meter, operation manual and power adapter
M330T/USP	Meter kit option includes M330 + Conductivity standard + epoxy 4-pole Conductivity cell with built-in ATC
QC2240T	Spare conductivity electrode for M330.

Glass Accessories

Volumetric Flasks clear glass

Part No.	Description	OEM Ref
PSVOLFLK-05	500ml Volumetric Flask, Class A, Calibrated at 20°C	–
PSVOLFLK-09	900ml Volumetric Flask, Class A, Calibrated at 20°C	–
PSVOLFLK-1K	1000ml Volumetric Flask, Class A, Calibrated at 20°C	–
PSVOLFLK-X5	500ml Volumetric Flask, Class A, Calibrated at 37°C	–
PSVOLFLK-X9	900ml Volumetric Flask, Class A, Calibrated at 37°C	–
PSVOLFLK-X1	1000ml Volumetric Flask, Class A, Calibrated at 37°C	–

Add A for amber

PSVOLFLK-X1A   PSVOLFLK-X9A   PSVOLFLK-05A

Tapped Density

Part No.	Description	OEM Ref
PSGLA100-01	100ml Funnel Top Cylinder, Graduated, Hexagonal Base	52-5010 V
PSGLA1CA-01	100ml Funnel Top Cylinder, Graduated, Hexagonal Base, Class A, Calibrated at 20°C	–
PSGLA250-01	250ml Funnel Top Cylinder, Graduated, Hexagonal Base	52-5020 V
PSGLA500TP-01	500ml Standard Top Cylinder, Graduated, Hexagonal Base, VanKel/Agilent Comp.	52-5060
PSGLA100TP-EW	100ml Standard Top Cylinder, Graduated, Hexagonal Base for SVM, Erweka Comp.	80-453-0100
PSGLA250TP-EW	250ml Standard Top Cylinder, Graduated, Hexagonal Base for SVM, Erweka Comp.	80-453-0250
PSGLA500TP-EW	500ml Standard Top Cylinder only, Graduated, Hexagonal Base for SVM, Erweka Comp.	80-453-0500
PSGLA100TP-EL	100ml Standard Top Cylinder, Graduated, Hexagonal Base, Electrolab Comp.	–
PSGLA250TP-EL	250ml Standard Top Cylinder, Graduated, Hexagonal Base, Electrolab Comp.	–

PSGLA100-01   PSGLA1CA-01   PSGLA250-01

PSGLATUB-A/25x150mm

Misc Glass Accessories

Part No.	Description	OEM Ref
PSFLEAK-150	100ml Glass Fleaker	–
PSFLEAK-300	300ml Glass Fleaker	–
PSGLATUB-A/ 25x150mm	50ml Amber Outer Media Tube for12 Valve APP 7	27-5160 V

PSFLEAK-150   PSFLEAK-300

Volumetric Flask acc. to ASTM and USP

When manufacturing pharmaceutical products or intermediates which may either be exported into US markets or which are made by companies being audited by US authorities, such as the Food and Drug Administration (FDA), it is a written requirement of the FDA that volumetric glass used in laboratories for control purposes must conform to the standards laid down within the US Pharmacopoeia.

Each individual piece of USP Class A glass is individually tested and carries its own individual number. Not only does this offer full traceability, but it also permits all laboratory work to be done with identifiable and identified equipment.

Clear Glass, *Class A, Borosilicate glass, white graduation, with Polystop*

Capacity	TS	ISO and ASTM incl. batch cert. No single cert.	ISO and ASTM incl. batch cert. with single cert.	ISO and ASTM with indiv. Serial number + single cert.	Quantity
5 ml	10/19	PSVF0005C-BN	PSVF0005C-BC	PSVF0005C-SC	5
10 ml	10/19	PSVF0010C-BN	PSVF0010C-BC	PSVF0010C-SC	5
20 ml	10/19	PSVF0020C-BN	PSVF0020C-BC	PSVF0020C-SC	5
25 ml	10/19	PSVF0025C-BN	PSVF0025C-BC	PSVF0025C-SC	5
50 ml	12/21	PSVF0050C-BN	PSVF0050C-BC	PSVF0050C-SC	5
100 ml	12/21	PSVF0100C-BN	PSVF0100C-BC	PSVF0100C-SC	5
200 ml	14/23	PSVF0200C-BN	PSVF0200C-BC	PSVF0200C-SC	2
250 ml	14/23	PSVF0250C-BN	PSVF0250C-BC	PSVF0250C-SC	2
500 ml	19/26	PSVF0500C-BN	PSVF0500C-BC	PSVF0500C-SC	2
1000 ml	24/29	PSVF01000C-BN	PSVF1000C-BC	PSVF1000C-SC	2
2000 ml	29/32	PSVF02000C-BN	PSVF2000C-BC	PSVF2000C-SC	1
5000 ml	34/35	–	–	PSVF5000C-SC	1

Amber Glass, *Class A, Borosilicate glass, white graduation, with Polystop*

Capacity	TS	ISO and ASTM incl. batch cert. No single cert.	ISO and ASTM incl. batch cert. with single cert.	ISO and ASTM with indiv. Serial number + single cert.	Quantity
5 ml	10/19	PSVF0005A-BN	PSVF0005A-BC	PSVF0005A-SC	5
10 ml	10/19	PSVF0010A-BN	PSVF0010A-BC	PSVF0010A-SC	5
20 ml	10/19	PSVF0020A-BN	PSVF0020A-BC	PSVF0020A-SC	5
25 ml	10/19	PSVF0025A-BN	PSVF0025A-BC	PSVF0025A-SC	5
50 ml	12/21	PSVF0050A-BN	PSVF0050A-BC	PSVF0050A-SC	5
100 ml	12/21	PSVF0100A-BN	PSVF0100A-BC	PSVF0100A-SC	5
200 ml	14/23	PSVF0200A-BN	PSVF0200A-BC	PSVF0200A-SC	2
250 ml	14/23	PSVF0250A-BN	PSVF0250A-BC	PSVF0250A-SC	2
500 ml	19/26	PSVF0500A-BN	PSVF0500A-BC	PSVF0500A-SC	2
1000 ml	24/29	PSVF01000A-BN	PSVF1000A-BC	PSVF1000A-SC	2
2000 ml	29/32	PSVF02000A-BN	PSVF2000A-BC	PSVF2000A-SC	1
5000 ml	34/35	–	–	PSVF5000A-SC	1

Intrinsic Dissolution Apparatus

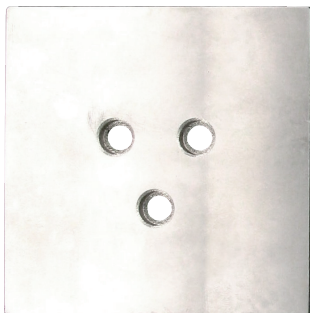| Part No.	Description	OEM Ref	
PSIDASET-01	Intrinsic Dissolution Apparatus Set	12-4101 95-590-201	H
PSIDADIE-01	8mm Intrinsic Die with Gasket, 316 Stainless Steel	12-4120 95-590-204	V H
PSIDAPCH-01	8mm Punch and Handle	12-4140 95-590-203	V H
PSIDAPLT-01	Surface Plate with Screws	12-4130 95-590-205	V H
PSIDAPRS-01	2 Ton Universal Intrinsic Press	– 95-590-206	H
PSIDASNH-01	Shaft and Holder, 316 Stainless Steel	12-4150 95-590-202	V H
PSIDASNH-HR	Shaft and die holder only for Hanson	95-590-202	
PSIDASNH-01	Shaft and die holder only for Varian/VanKel	21-4150	
PSIDASNH-DK	Shaft and die holder only, for Distek	–	
PSIDASNH-EW01	Shaft and die holder only, for Erweka Un-ishaft, to screw to Shaft	–	
PSIDASNH-EW02	Shaft and die holder only, for Erweka Mag-niShaft for Low-Head use	–	
PSIDASNH-ST	Shaft and die holder only for Sotax	–	
PSIDASNH-EL	Shaft and die holder only for Electrolab	–	

PSIDASET-01

(Set includes: PSIDADIE-01, PSIDAPCH-01, PSIDAPLT-01, PSIDASNH-01)

PSIDAPCH-01

PSIDADIE-01

PSIDAPLT-01

PSIDAPRS-01

PSIDASNH-01

H = Hanson   **V** = VanKel

Disintegration

Agilent (Varian/ Vankel) *Disintegration Accessories*

Part No.	Description	OEM Ref
PSDISASY-06	Basket Assembly with 6 Glass Tubes and 10 Mesh Stainless Steel Screens, for VanKel	37-2001
PSDISASY-03	Basket Assembly with 6 Glass Tubes and 10 Mesh Stainless Steel Screens, for VanKel	–
PSDISTUB-03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	37-5005
PSDISTUB-06	Glass Disintegration Tubes for 6 Tube Assembly, pk/6	37-5000
PSDISTUB-P6	Plastic Disintegration Tubes for 6 Tube Assembly, pk/6	–
PSFDISK-VK3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	37-4010
PSFDISK-VK6	Fluted Plastic Disc for 6 Tube Assembly, pk/6	37-4000
PSDISSCR10-VK	10 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2200
PSDISSCR20-VK	20 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2205
SDISSCR40-VK	40 Mesh replacement Screen for 6 Tube Basket, pk/6	37-2210
PSGLA900-DB	900ml Disintegration Beaker, Flared Top	37-5200
PSGLA905-DB	900ml Disintegration Beaker, Flat Top	37-5305

PSFDISK-VK

PSDISTUB-06

Erweka *Disintegration Accessories*

Part No.	Description	OEM Ref
PSDISTUB-EW03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	–
PSDISTUB-EW06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	–
PSBEAK1L-EW	Disintegration Beaker, Clear Glass 1L	–
PSFDISK-EW3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	–
PSFDISK-EW6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	–

Distek *Disintegration Accessories*

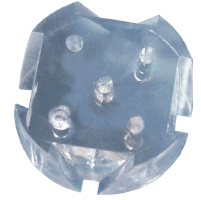| Part No.	Description	OEM Ref
PSDISTUB-DK03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	EL-270403
PSDISTUB-DK06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	EL-220405
PSBEAK1L-DK	Disintegration Beaker, Clear Glass 1L	3010-0360
PSFDISK-DK3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	EL-270406
PSFDISK-DK6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	EL-220406

PSDISTUB-P6

PSGLA900-DB

PSGLA905-DB

PSDISASY-06 / PSDISASY-P6

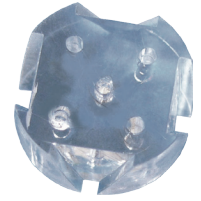## **PharmaTest** *Disintegration Accessories*

Part No.	Description	OEM Ref
PSDISTUB-PT03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	101-2025-3
PSDISTUB-PT06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	101-2145-6
PSBEAK1L-PT	Disintegration Beaker, Clear Glass 1L	–
PSFDISK-PT3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	101-2016-3
PSFDISK-PT6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	101-2148-6

PSFDISK-PH6

Sotax *Disintegration Accessories*

Part No.	Description	OEM Ref
PSDISTUB-ST03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	–
PSDISTUB-ST06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	2134
PSBEAK1L-ST	Disintegration Beaker, Clear Glass 1L	3061
PSFDISK-ST3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	8826
PSFDISK-ST6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	3063

PSFDISK-ST6

Electrolab *Disintegration Accessories*

Part No.	Description	OEM Ref
PSDISTUB-EL03	Glass Disintegration tubes for 3 Tube Assembly, pk/3	0201A00001
PSDISTUB-EL06	Glass Disintegration tubes for 6 Tube Assembly, pk/6	0201A00002
PSBEAK1L-EL	Disintegration Beaker, Clear Glass 1L	0201A00013
PSFDISK-EL3	Fluted Plastic Disk for 3 Tube Assembly, pk/3	0201A00005
PSFDISK-EL6	Fluted Plastic Disk for 6 Tube Assembly, pk/6	0201A00004
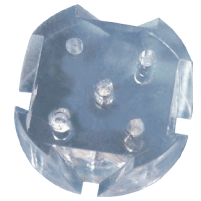
PSFDISK-EL6

Hanson *Disintegration QC-21 Accessories*

Part No.	Description	OEM Ref
PSDISTUB-HR03	Glass Disintegration tubes for 3 tube assembly, pk/3	65-303-022
PSDISTUB-HR06	Glass Disintegration tubes for 6 tube assembly, pk/6	65-169-001
PSDISTUB-HR3	Fluted Plastic Disk for 3 tube assembly, pk/3	65-303-023
PSDISTUB-HR6	Fluted Plastic Disk for 6 tube assembly, pk/3	65-170-001
PSBEAK1L-HR	Disintegration Beaker, Clear Glass 1L	91-030-036
PSDISCSCR10-HR	10 Mesh replacement Screen for 6 Tube Assembly, pk/6	65-320-005

PSDISTUB-HR6

Copley *Disintegration Accessories*

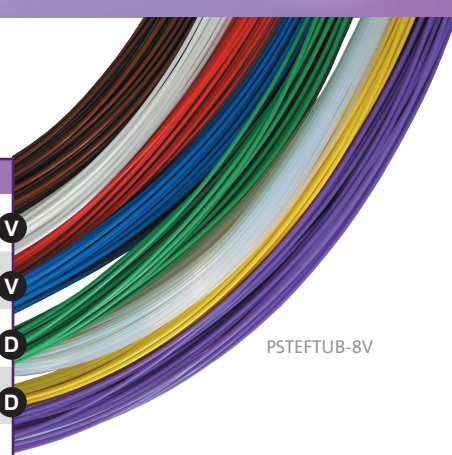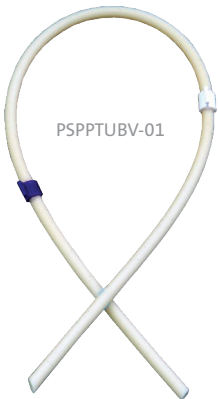| Part No.	Description	OEM Ref
PSDISTUB-CP03	Glass Disintegration tubes for 3 tube assembly, pk/3	1219
PSDISTUB-CP06	Glass Disintegration tubes for 6 tube assembly, pk/6	1211
PSDISTUB-CO3	Fluted Plastic Disk for 3 tube assembly, pk/3	1220
PSDISTUB-CO6	Fluted Plastic Disk for 6 tube assembly, pk/3	1212
PSBEAK1L-CO	Disintegration Beaker, Clear Glass 1L	1214
PSDISCSCR10-CO	10 Mesh replacement Screen for 6 Tube Assembly, pk/6	-

PSDISTUB-CO6

Misc Accessories

Tubing

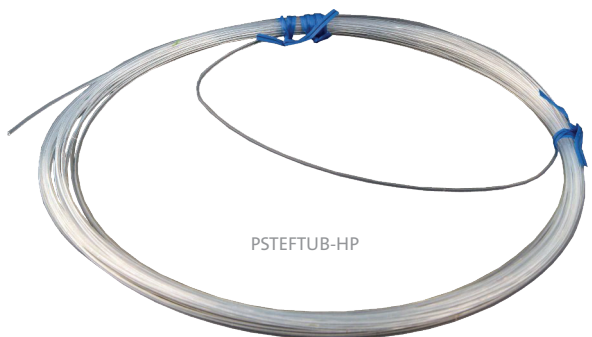| Part No.	Description	OEM Ref	
PSPPTUBV-01	Peristaltic Pump Tubing, Santoprene, Coded Purple & White (Set of 8)	17-6000	V
PSPPTUBV-02	Peristaltic Pump Tubing, Silicone, Coded Purple & White (Set of 8)	17-6010	V
PSPPTUBD-01	Peristaltic Pump Tubing, Santoprene (Set of 6)	5640-0337	D
PSTAATUB-HP	3 Collar Tygon Auto Analyser Tubing, 0.08" (2.06mm) ID (Set of 12)	5041-2166	D
PSTEFTUB-HP	FEP PTFE Tubing for HP 1/32" (0.8mm) ID x 1/16" (1.6mm) OD, 500' (152m) Roll	–	
PSTEFTUB-8V	Colour Coded Sample PTFE Tubing, 0.42" (10.67mm) ID x 0.066" (1.68mm) OD, 8 Lengths of 50' (15m)	17-6035	V
PSTUBING	Tygon Tubing, 1/16" (1.6mm) x 1/8" (3.2mm) (15m)	–	

PSTEFTUB-8V

PSPPTUBV-01

PSPPTUBV-02

PSTAATUB-HP

PSTUBING

PSTEFTUB-HP

PSPPTUBD-02

D = Distek   V = VanKel

Paper Rolls

Part No.	Description	OEM Ref
PSPAP100-01	Plain Paper Rolls for Report Center II, 2.25" (57mm) Wide (Pack of 25)	12-9995 **V**
PSTPP100-01	Thermal Paper Rolls (Pack of 25)	12-9994 **V**
PSPAP100-HR	Printer Rolls, Hanson	47-200-703

PSPAP100-01   PSTPP100-01

Aquastabil-LQ

Aquastabil-LQ is a highly soluble preserving compound, whose properties are ideal for a broad spectrum of biological conditions that are involved in the decomposition of water. Aquastabil-LQ is the only proven biocide solution to the tedious and expensive task of maintain optimum water bath integrity.

Used in the right concentration, it is highly effective against bacteria and fungi. It is also non- hazardous and its environmentally friendly formula does not require you to follow special disposal instructions. This formula has also been enhanced by the addition of special cleaning agents, that will contribute to make subsequent cleaning easier to perform by reducing the effect of microorganism build-up around the bath walls, as well as provide secondary protection to units with recirculating systems.

| Part No.	Description
PSAQUASTABIL-LQ15	pack of 15 bottles
PSAQUASTABIL-LQ01	1 bottle

Use 2ml for 1L of water

Handbook of Dissolution Testing

An essential reference for any dissolution laboratory.
- information on USP, FDA, FIP, and international harmonization
- all information on special dosage forms
- the latest on method development and method validation
- updates on controlling variables, the use of calibrator tablets, and solving practical problems
- updates on automation, validation, 21CFR11 and IQ/OQ/PQ requirements

Part No.	Description	OEM Ref
PSHANDB	Handbook of Dissolution Testing, 3rd edition	91-030-000 **H**
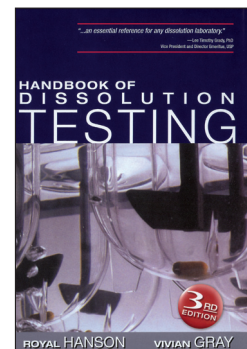
New release

The first dissolution surveillance system.

Dissolution Accessories is proud to introduce the dissoGUARD®, a dissolution surveillance system, which is now available for most dissolution testers regardless of their manufacturer.

Dissolution Accessories is a family-owned company founded in 1997 in The Netherlands. Our vision is to develop and deliver the highest quality in comprehensive parts, consumables, and accessories in compliance with USP, EP, JP, and associated pharmacopeia. As stated in the U.S. Pharmacopeia General Chapter <1092>, which details the dissolution procedure, "visual observations are often helpful for understanding the source of the variability and whether the dissolution test itself is contributing to the variability."

Observations: The **dissoGUARD®** dissolution surveillance system (DSS) gives you the chance to visually observe all your measurements continuously. It combines a unique approach to the visual dissolution testing process and offers important insight at each stage of the pharmaceutical product development process.

Qualifications: The **dissoGUARD®** allows you to view the rpm of your paddle or basket before, during, and after the measurement. It shows you the wobble when present, it gives you an overview of the conditions of your measurement and behavior of the sample, and stores a video of every measurement for further analysis if there are any concerns about the result.

Recording: The **dissoGUARD®** software allows you to review all events that occur during the measurements. The videos or snapshots can be marked with key events such as dosage introduction, sample drop, sampling, or unusual behavior and are easily exported for sharing or documentation purposes.

The **Dissolution Accessories dissoGUARD®** is available in several configurations with cameras precisely placed underneath the dissolution bath of your choice in the exact center of the paddle/basket spinning axis. With state-of-the-art hardware, high-speed communication links, and powerful video-processing algorithms, **dissoGUARD** is revolutionizing the dissolution-testing environment.

The **dissoGUARD®** is capable of capturing vital information that was previously unattainable. The unique camera system placed beneath each individual vessel shows the user real time videos, detects paddle/basket motion, and store videos for further analysis or fault detection which can be reviewed on an for you convenient moment.

With some unique features such as motion detector and LED illumination, it is able to record good quality videos for all vessels. After recording, the user is able to pinpoint and mark individual stages of the dissolution procedure. Because of the unique camera position, different operations are well visible (tablet drop or basket immersion, sampling cannula or temperature probe immersion). The timing of different events can be determined down to seconds.
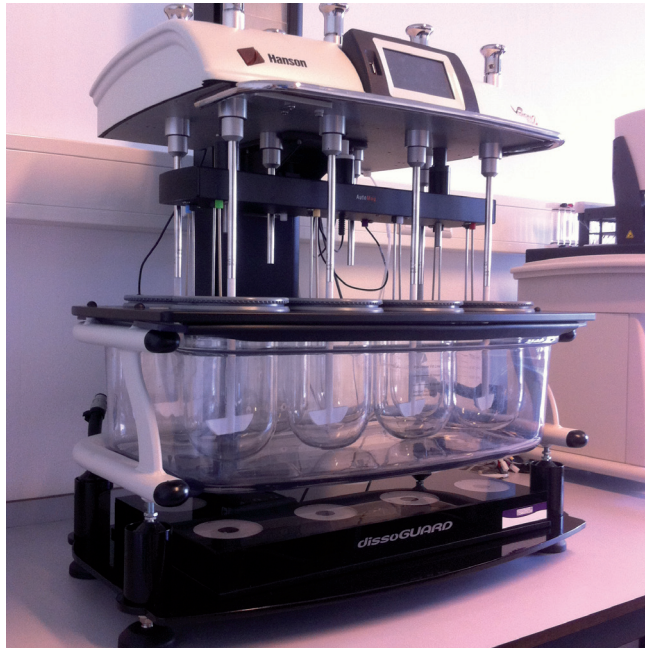
The **dissoGUARD** Pro software is the ultimate guardian for your dissolution procedure and apparatus; it can alert the user of any abnormal status of these parameters during a test, preventing lost time and aiding in eventual failure investigations.

dissoGUARD PRO is not meant to be a qualification tool, but it will keep you on the safe side during periodic OQ/MQ measurements. With unique software algorithms, it can successfully predict excessive wobble for individual basket or paddle. Measurement of individual paddle speed of rotation (rpm) is possible from the video itself. Proper centering of vessels and shafts can be checked. Software is able to warn a user about status of a run. Once the system is installed, it will run almost automatically.

Without an analyst's presence, strategically placed cameras and corresponding software can greatly improve monitoring of dissolution test conditions and/or potential failure analysis. Specifically:

• Positive dosage form introduction
• Positioning of the dosage form (center, off-center)
• Hydrodynamics within the dissolution vessel
• Particle behavior
• Proper deaeration of dissolution media
• Vessel visibility of light-sensitive products
• Sampling timing and position
• Aberrant data investigation
• Documentation of uncharacteristic behavior

With an optional, easy-to- install amber shield around the bath and adaptive LED illumination (produces amber light), it is an ideal system to test light-sensitive products and prevent photo degradation of the active drug. The cameras deliver a solution for better visibility that eliminates the need for special laboratory lighting or other measures that would inhibit traditional observation of the amber dissolution vessels. An innovative homogenous illumination lighting system provides enough quality light for good quality videos for future post-processing

Adding this capability to your laboratory dissolution environment offers important insight at each stage of the pharmaceutical product development process. Whether during formulation optimization, method development, or stability or routine QA/QC testing, observation and recording of the dissolution test itself provides an ideal mechanism for additional information gathering.

A system such as this could be utilized to evaluate how unexpected results are obtained, or periodically, to assess dosage form performance. Either way, failure investigations are expedited with an increasing amount of evidence available and the dissolution data is enhanced with supplemental images or videos.

dissoGUARD® Ordering Information

DG11-1301A	dissoGuard, 7 cameras, External camera, Standard dissoGUARD Software
DG11-1301B	dissoGuard, 6 cameras, External camera, Standard dissoGUARD Software
DG11-1301C	dissoGuard , 8 cameras, External camera, Standard dissoGUARD Software
DG11-1302A	dissoGuard for Hanson Classic 6, 6 cameras, External camera, Standard dissoGUARD Software
DG11-1331	PRO upgrade (Software)
	Agilent
DG11-1311	Conversion kit to fit dissoGuard for Agilent 708DS/709DS
DG11-1341	Add-on for 709-DS, contains new cover and vessel protective shields
DG11-1352	Bath Shield for 708DS for light sensitive drugs
	Hanson
DG11-1312	Conversion kit to fit dissoGuard for Hanson Vision Classic 6
DG11-1313	Conversion kit to fit dissoGuard for Hanson Vision G1/G2 Elite 8 G1/G2
DG11-1315	Conversion kit to fit dissoGuard for Hanson SR8-Plus
	Distek
	Conversion kit to fit dissoGuard for Distek 2500 and Distek Symphony 7100 (under construction)

Dissolution Media Concentrates

Part No.	Description
DMC020-06	Hydrochloric Acid 0.01N, dilute to 6L
DMC020-10	Hydrochloric Acid 0.01N, dilute to 10L
DMC020-25	Hydrochloric Acid 0.01N, dilute to 25L
DMC021-06	Hydrochloric Acid 0.1N, dilute to 6L
DMC021-10	Hydrochloric Acid 0.1N, dilute to 10L
DMC021-25	Hydrochloric Acid 0.1N, dilute to 25L
DMC022-06	Acetate Buffer pH 4.5, dilute to 6L
DMC022-10	Acetate Buffer pH 4.5, dilute to 10L
DMC022-25	Acetate Buffer pH 4.5, dilute to 25L
DMC023-06	Potassium Phosphate pH 5.8, dilute to 6L
DMC023-10	Potassium Phosphate pH 5.8, dilute to 10L
DMC023-25	Potassium Phosphate pH 5.8, dilute to 25L
DMC024-06	Potassium Phosphate pH 6.0, dilute to 6L
DMC024-10	Potassium Phosphate pH 6.0, dilute to 10L
DMC024-25	Potassium Phosphate pH 6.0, dilute to 25L
DMC025-06	Potassium Phosphate pH 6.8, dilute to 6L
DMC025-10	Potassium Phosphate pH 6.8, dilute to 10L
DMC025-25	Potassium Phosphate pH 6.8, dilute to 25L
DMC026-06	Potassium Phosphate pH 7.2, dilute to 6L
DMC026-10	Potassium Phosphate pH 7.2, dilute to 10L
DMC026-25	Potassium Phosphate pH 7.2, dilute to 25L
DMC027-06	Potassium Phosphate pH 7.4, dilute to 6L
DMC027-10	Potassium Phosphate pH 7.4, dilute to 10L
DMC027-25	Potassium Phosphate pH 7.4, dilute to 25L
DMC028-06	Potassium Phosphate pH 7.5, dilute to 6L
DMC028-10	Potassium Phosphate pH 7.5, dilute to 10L
DMC028-25	Potassium Phosphate pH 7.5, dilute to 25L
DMC029-06	Sodium Lauryl Sulfate 0.50%, dilute to 6L
DMC029-10	Sodium Lauryl Sulfate 0.50%, dilute to 10L
DMC030-06	Simulated Gastric Fluid (without enzyme), dilute to 6L
DMC030-10	Simulated Gastric Fluid (without enzyme), dilute to 10L
DMC030-25	Simulated Gastric Fluid (without enzyme), dilute to 25L
DMC031-06	Simulated Intestinal Fluid (without enzyme), dilute to 6L
DMC031-10	Simulated Intestinal Fluid (without enzyme), dilute to 10L
DMC031-25	Simulated Intestinal Fluid (without enzyme), dilute to 25L

Dissolution Media Concentrates

Dissolution Accessories offers a complete line of Dissolution Media Concentrates. Diluting the concentrate by simply adding purified water, you will create "ready to use" dissolution media within a few minutes.

Our pre-mixed concentrates significantly reduce the amount of time and expenses required of preparing dissolution media. The preparation of dissolution media is a time consuming procedure on a daily basis; by using the dissolution media concentrates you will eliminate this by reducing the preparation time by up to 75%, so laboratory analysts/chemists can focus on performing more valued added activities.

All dissolution media concentrates are available in convenient sizes, which can be used to produce 6L, 10L or 25L dissolution media. This makes it the ideal solution for pharmaceutical research, formulation and quality control laboratories.
The small bottle sizes will reduce storage space requirements and lowers freight charges.

All dissolution media concentrates are produced from raw materials in accordance with USP/EP/BP/JP guidelines under validated processes.
DA dissolution media concentrates are high quality products to deliver consistent and reproducibility results.

Chromatography Vials & Caps

Agilent™ & Generic

Crimp Vial, 12 x 32mm, 11mm Opening, pk/100

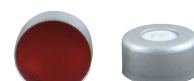| Part No.	Description	OEM Ref
PS011L-1232	2ml Clear Glass	5183-4491/5181-3375
PS011LM-1232	2ml Clear Glass w/marking spot	5183-4492/5182-0543
PS11LM-1232A	2ml Amber Glass w/marking spot	5181-3376/5183-4493

PS011LM-1232   PS11LM-1232A

Inserts, pk/100

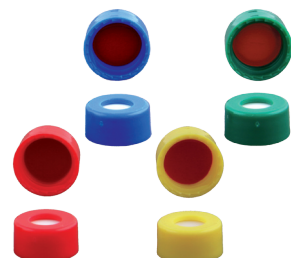| Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	5181-1270
PSI025-630	350µL Glass Conical with Bottom Spring	5181-3377

PSI025BS-629

11mm Aluminium Crimp Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC130-11B	11mm Silver Crimp Cap, Blue Silicone/PTFE	-
PSC130-11G	11mm Silver Crimp Cap, Green Silicone/PTFE	-
PSC130-11R	11mm Silver Crimp Cap, Red Silicone/PTFE	-
PSC130-11Y	11mm Silver Crimp Cap, Yellow Silicone/PTFE	-
PSC140-11	11mm Silver Crimp Cap, PTFE/Butyl Ruber	5183-4498
PSC150-11	11mm Silver Crimp Cap, PTFE/Silicone	5183-4500/5182-0552
PSC170-11	11mm Magnetic Crimp Cap, PTFE/Silicone	-

PSC150-11

PSC150-11

Screw Vial, 12 x 32mm, 9mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT009-1232	2ml Clear Glass	5182-0714/5183-2067
PSVT009M-1232	2ml Clear Glass w/marking spot	5182-0715/5183-2068
PSVT009M-1232A	2ml Amber Glass w/marking spot	5182-0716/5183-2069
PSVT009M-1232S	2ml Clear Glass w/marking spot, Silanized	5183-2071

PSVT009M-1232A   PSVT009M-1232

Inserts, pk/100

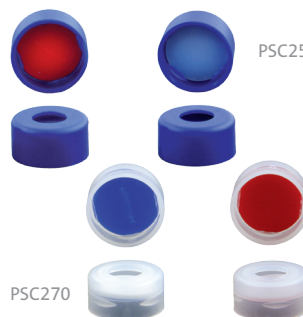| Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	5181-1270
PSI025BS-629S	250µL Glass Conical with Bottom Spring, Silanized	5181-8872
PSI025-630	350µL Glass Conical with Bottom Spring	5181-3377

PSI025BS-629   PSI025BS-629S

PSI025-630

9mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC395E-09SB	9mm Smooth Blue Screw Cap, Red PTFE/white Silicone	5182-0720
PSC395E-09SG	9mm Smooth Green Screw Cap, Red PTFE/white Silicone	5182-0721
PSC395E-09SR	9mm Smooth Red Screw Cap, Red PTFE/white Silicone	5182-0722
PSC395E-09SY	9mm Smooth Yellow Screw Cap, Red PTFE/white Silicone	-
PSC397E-09SB	9mm Smooth Blue Screw Cap, Red PTFE/white Silicone	5183-2076
PSC397E-09SG	9mm Smooth Green Screw Cap, Red PTFE/white Silicone	5183-2077
PSC397E-09SR	9mm Smooth Red Screw Cap, Red PTFE/white Silicone	5183-2078
PSC397E-09SY	9mm Smooth Yellow Screw Cap, Red PTFE/white Silicone	-

Agilent™ & Generic

Snap Vial, 12 x 32mm, 11mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT011SM-1232	2ml Clear Glass w/marking spot	5182-2068/5182-0546
PSVT11M-1232A	2ml Amber Glass w/marking spot	5181-0545/5181-2069
PSV0300P-1232	300µL Conical Ultraclean Polypropylene	5183-2087
PSV0711P-1232	750µL Conical Ultraclean Polypropylene	5183-4731

PSVT11M-1232A   PSVT011SM-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	5181-1270
PSI025BS-629S	250µL Glass Conical with Bottom Spring, Silanized	5181-8872
PSI025-630	350µL Glass Conical with Bottom Spring	5181-3377

PSI025BS-629   PSI025BS-629S

PSI025-630

9mm Snap Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC250BS-11	11mm Blue Snap Cap, PTFE/white Silicone	-
PSC250CS-11	11mm Natural Snap Cap, PTFE/white Silicone	-
PSC250PBS-11	11mm Blue Snap Cap, Clear PTFE/white Silicone	-
PSC270BS-11	11mm Blue Snap Cap, PTFE/white Silicone, slitted	-
PSC270CS-11	11mm Natural Snap Cap, PTFE/white Silicone, slitted	-
PSC270CBS-11	11mm Blue Snap Cap, Blue PTFE/white Silicone, slitted	-

PSC25

PSC270

Microvials pk/100

Part No.	Description	OEM Ref
PSV01511-1232	1.5ml Clear Glass Crimp Vial, 12x32mm, 11mm	5184-3551
PSV01511-1232A	1.5ml Amber Glass Crimp Vial, 12x32mm, 11mm	5184-3555
PSV01511S-1232	1.5ml Clear Glass Snap Vial, 12x32mm, 11mm	5184-3552
PSV01511S-1232A	1.5ml Amber Glass Snap Vial, 12x32mm, 11mm	5184-3556
PSV01509-1232	1.5ml Clear Glass Screw Vial, 12x32mm, 9mm	5184-3550
PSV01509-1232A	1.5ml Amber Glass Screw Vial, 12x32mm, 9mm	5184-3554

PSV01511-1233   PSV01509-1232

Bruker

Screw Vial, 12 x 32mm, 10mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT010M-1232	2ml Clear Glass w/marking spot	-
PSVT010M-1232A	2ml Amber Glass w/marking spot	-

PSVT010M-1232A   PSVT010M-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250μL Glass Conical with Bottom Spring	-
PSI025-630	350μL Glass Conical with Bottom Spring	-

PSI025BS-629   PSI025-630

10mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC6050-10S	10mm Black Open-Hole Bonded, white Silicone/ RED PTFE w/slit	-
PSC6050BC-10	10mm Black Open-Hole Bonded, TAN PTFE/ Silicone 60mil	-

PSC6050-10S

Screw Vial, 12 x 32mm, 8mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT008-1232	2ml Clear Glass	-
PSVT008M-1232	2ml Clear Glass w/marking spot	-
PSVT008M-1232A	2ml Amber Glass w/marking spot	-

PSVT008M-1232   PSVT008-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI01BS-530	100μL Glass Conical Precision Point with Bottom Spring	-
PSI025-531	250μL Glass Flat Bottom Insert	-

8mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSCLS39939	8mm Black Open-Hole PP, 8-425 Bonded Red PTFE/white Silicone	-

PSCLS39939

Short Thread Screw Vial, 12 x 32mm, 9mm Opening, pk/100

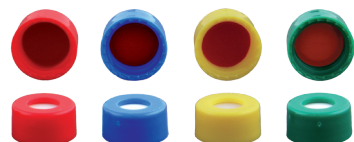| Part No.	Description	OEM Ref
PSVT009-1232	2ml Clear Glass	-
PSVT009M-1232	2ml Clear Glass w/marking spot	-
PSVT009M-1232A	2ml Amber Glass w/marking spot	-
PSVT009M-1232S	2ml Clear Glass w/marking spot, Silanized	-

PSVT009M-1232A   PSVT009M-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	-
PSI025-630	350µL Glass Conical with Bottom Spring	-

9mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC395E-09SB	9mm Blue Screw Cap, Red PTFE/Silicone	-
PSC395E-09SG	9mm Green Screw Cap, Red PTFE/Silicone	-
PSC395E-09SR	9mm Red Screw Cap, Red PTFE/Silicone	-
PSC397e-09SY	9mm Yellow Screw Cap, Red PTFE/Silicone	-
PSC397E-09SB	9mm Blue Screw Cap, Red PTFE/Silicone with Slit	-
PSC397E-09SR	9mm Red Screw Cap, Red PTFE/Silicone with Slit	-
PSC397E-09SG	9mm Green Screw, Cap Red PTFE/Silicone with Slit	-
PSC397E-09SY	9mm Yellow Screw, Cap Red PTFE/Silicone with Slit	-

PSC395E

PSC397E

Shimadzu

Screw Vial, 12 x 32mm, 8mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT008-1232	2ml Clear Glass	*
PSVT008M-1232	2ml Clear Glass w/marking spot	*
PSVT008M-1232A	2ml Amber Glass w/marking spot	*

*Fits AOC-8B/9, SIL-6A, OC-14/1400, SIL-6B & SIL-9A Autosamplers

PSVT008M-1232   PSVT008M-1232A

Inserts, pk/100

Part No.	Description	OEM Ref
PSI01BS-530	100µL Glass Conical Precision Point with Bottom Spring	-
PSI025-531	250µL Glass Flat Bottom Insert	-

PSI01BS-530

8mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSCLS39939	8mm Black Open-Hole PP, 8-425 Bonded Red PTFE/white Silicone	-
PSC9SF-08G	8mm Green Open-Hole PP, 8-425 Bonded Red PTFE/white Silicone	-
PSC9SF-08Y	8mm Yellow Open-Hole PP, 8-425 Bonded Red PTFE/white Silicone	-

PSCLS39939

Screw Vial, 15 x 45mm, 13mm Opening, pk/100

Part No.	Description	OEM Ref
PSVF013-1545	4ml Clear Glass, 13-425	*
PSVF013A-1545	4ml Amber Glass, 13-425	*
PSVF013M-1545	4ml Clear Glass w/marking spot, 13-425	*

*Fits AOC-14/1400 & SIL-2AS Autosamplers

13mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PS06050-13	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil	-
PS06050-13S	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil w/slit	-

Crimp Vial, 12 x 32mm, 11mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT011-1232	2ml Clear Glass	*
PSVT011A-1232	2ml Amber Glass	*

*Fits AOC-14/1400, SIL-6B & SIL-9A Autosamplers

PSVT011-1232   PSVT011A-1232

11mm Aluminium Crimp Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC140-11	11mm Silver Crimp Cap, PTFE/Butyl Ruber	-
PSC150-11	11mm Silver Crimp Cap, Red PTFE/White Silicone	-

Waters

Screw Vial, 12 x 32mm, 9mm Opening, pk/100

Part No.	Description	OEM Ref
PSVT009-1232	2ml Clear Glass	-
PSVT009M-1232	2ml Clear Glass w/marking spot	186000273
PSVT009M-1232A	2ml Amber Glass w/marking spot	186000848
PSVT009M-1232S	2ml Clear Glass w/marking spot, Silanized	WAT063300DV

PSVT009M-1232A   PSVT009M-1232

Inserts, pk/100

Part No.	Description	OEM Ref
PSI025BS-629	250µL Glass Conical with Bottom Spring	WAT094170
PSI025-630	350µL Glass Conical with Bottom Spring	-

PSI025BS-629

9mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PSC395S-09B	9mm Blue Screw Cap, Beige PTFE/Silicone, Bonded	186000274
PSC395S-09G	9mm Green Screw Cap, Beige PTFE/Silicone,Bonded	186002130
PSC395S-09R	9mm Red Screw Cap, Beige PTFE/Silicone, Bonded	-
PSC397-09B	9mm Blue Screw Cap, PTFE/Silicone with Slit, Bonded	186000305
PSC397-09R	9mm Red Screw Cap, PTFE/Silicone with Slit, Bonded	-
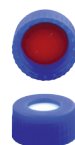
PSC395S-09B   PSC395S-09B

Wisp 48 and 96 position, 15 x 45mm, 13mm Opening, pk/100

Part No.	Description	OEM Ref
PSVF013-1545	4ml Clear Glass, 13-425	186000840
PSVF013A-1545	4ml Amber Glass, 13-425	186001135

13mm Screw Caps with Septa, pk/100

Part No.	Description	OEM Ref
PS06050-13	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil	18600841
PS06050-13S	13mm Black Open-Hole Bonded, Red PTFE/Silicone 60mil w/slit	-

Inserts, pk/100

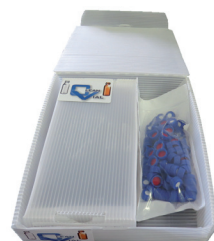| Part No.	Description	OEM Ref
PSI03-639	250µL Glass Mandrel Point Insert, requires Metal Spring	WAT072704
PSI03-638X	250µL Glass Conical Insert, requires Metal Spring	WAT072708

LC (MS) Certified Combi-Kits

These certified Combi-Kits include certification documentation. Every batch is tested on 16 critical parameters. The vial and cap combinations are checked for blanks and contamination by HPLC/UV and LC-MS testing.

Certified Combi-Kits are available in a 2ml Short Thread Clear and Amber vial with appropriate cap.

9mm, 9-425 Thread for Agilent Autosamplers, pk/100

Part No.	Description	OEM Ref
PSVT009M/C395ES-BCERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa	–
PSVT009MA/C395ESBCERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa	–
PSVT009M/C397ES-BCERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa w/slit	–
PSVT009MA/C397ESBCERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Septa w/slit	–

PSVT009M/C395ESBCERT

For Waters Autosamplers

Part No.	Description	OEM Ref
PSVT009M/C395B-CERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa	–
PSVT009MA/C395B-CERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa	–
PSVT009M/C397B-CERT	Certified 2ml Clear Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa w/slit	–
PSVT009MA/C397B-CERT	Certified 2ml Amber Glass Screw Vial, w/marking spot, Blue Cap, Red PTFE/White Silicone Bonded Septa w/slit	–

Vial Rack

Part No.	Description	OEM Ref
PSVR-1550	for 50 x 2ml vials	-
PSVR-4050	for 50 x 4ml vials	-

HeadSpace Vials

Headspace vials are made from Borosilicate type 1 glass. In Headspace analysis, the sample is sealed into the vial and heated until the concentration in the gas phase is in equilibrium with the concentration in the liquid phase. A sample from the headspace is then analyzed.

Agilent™, Bruker and Tekmar Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSV06020-2338X	5ml Headspace Crimp Vial, 23 x 38mm, 20mm	5182-0876
PSVX0020-2346X	10ml Headspace Crimp Vial, 23 x 46mm, 20mm	5182-0838
PSVXX020-2375XP	20ml Headspace Crimp Vial, 23 x 75mm, 20mm	5182-0837
PSVX0020BS-2346X	10ml Headspace Crimp Vial, Short Neck,Tekmar, 23 x 46mm, 20mm	7000HT/Bruker
PSVXX020BS-2375X	20ml Headspace Crimp Vial, Short Neck, Tekmar, 23 x 75mm, 20mm	7000HT/Bruker
PSCLS-0030	20mm Aluminium Crimp Cap with Pharmafix Septa	5183-4479
PSCLS-9981	20mm Silver Crimp Cap, 3mm TAN Teflon/White Silicone Septa	5183-4477

PSVXX020BS-2375X

CTC/LEAP Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSVX0018-2346CTC	10ml Clear Headspace Screw Vial, 23 x 46mm, 18-425	-
PSVX0018-2375CTC	20ml Clear Headspace Screw Vial, 23 x 75mm, 18-425	-
PSCLS-1416	18mm Silver Screw Cap, Butyl Red/PTFE Grey	-
PSCHR-1578	18mm Magnetic Silver Screw Cap, White Silicone/Red/PTFE ULB	-

PSVX0018-2346CTC   PSCLS-1416

CTC/LEAP Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSVX0020B-2346X	10ml Headspace Crimp Vial, 23 x 46mm, Round Bottom, 20mm	-
PSVX0020B-2375X	20ml Headspace Crimp Vial, 23 x 75mm, Round Bottom, 20mm	-
PSCLS-1535B	20mm Blue BiMetal Magnetic Crimp Cap, 3mm TAN Teflon/Silicone	-
PSCLS-1535R	20mm Red BiMetal Magnetic Crimp Cap, 3mm TAN Teflon/Silicone	-

PSCLS-1535B

Perkin Elmer, Vials and Caps, pk/100

Part No.	Description	OEM Ref
PSVX0020PE-2346	10ml Headspace Crimp Vial, 23 x 46mm, 20mm	-
PSVXX020PE-2375	20ml Headspace Crimp Vial, 23 x 75mm, 20mm	-
PSCLS-9980	20mm Aluminium Pressure Release Crimp Cap, 3mm TAN Teflon/White Silicone Septa	-
PSCLS-9981	20mm Silver Crimp Cap, 3mm TAN Teflon/White Silicone Septa	-

PSCLS-9981

VOA Vials

VOA vials are specifically designed for use with volatile organic compounds, as recommended by EPA CFR Part 136 and under EPA 40 CFR 141. They are

available in both clear and amber borosilicate glass and have a temperature range of -40°C to 125°C.

Combo Packs, pre-assembled vial plus cap and septa, PK/100

Part No.	Description	OEM Ref
PS200424CBL100	Clear Glass 20ml + Black Screw Cap, PTFE/Silicone Septa	–
PS200424ABL100	Amber Glass 20ml + Black Screw Cap, PTFE/Silicone Septa	–
PS400424CBL100	Clear Glass 40ml + Black Screw Cap, PTFE/Silicone Septa	–
PS400424ABL100	Amber Glass 40ml + Black Screw Cap, PTFE/Silicone Septa	–
PS600424CBL100	Clear Glass 60ml + Black Screw Cap, PTFE/Silicone Septa	–

PS400424CBL100   PS400424ABL100

Sample Storage Vials, PK/100

Part No.	Description	OEM Ref
PS4024C100	Clear Glass 40ml, 28x95mm, 24-400 thread	–
PS4024A100	Amber Glass 40ml, 28x95mm, 24-400 thread	–
PS2431TW100	Black Cap, PTFE liner, 24-400 thread	–

Crimpers and Decappers

Part No.	Description	OEM Ref
PSCR00-08	8mm Hand Operated Crimper	-
PSCR00-11	11mm Hand Operated Crimper	-
PSCR00-20	20mm Hand Operated Crimper	-
PSCR10-08	8mm Hand Operated Decapper	-
PSCR10-11	11mm Hand Operated Decapper	-
PSCR10-20	20mm Hand Operated Decapper	-

Pipettes

Adjustable Volume Pipettes

All pipettes have been quality tested according to ISO8655-2:2002 with calibration certificate. The quality control involves gravimetric testing of each pipette with distilled water at 22°.

Part No.	Description
PSPIPADJ-0001	Volume 0,1-2,5µl, increment 0,05µl
PSPIPADJ-0005	Volume 0,5-10µl, increment 0,1µl
PSPIPADJ-0020	Volume 2-20µl, increment 0,5µl
PSPIPADJ-0050	Volume 5-50µl, increment 0,5µl
PSPIPADJ-0100	Volume 10-100µl, increment 1µl
PSPIPADJ-0200	Volume 20-200µl, increment 1µl
PSPIPADJ-0500	Volume 50-200µl, increment 1µl
PSPIPADJ-1000	Volume 100-1000µl, increment 5µl
PSPIPADJ-2000	Volume 200-1000µl, increment 5µl
PSPIPADJ-1M00	Volume 1ml-5ml, increment 50µl
PSPIPADJ-2M00	Volume 2ml-10ml, increment 0,1ml
PSPIPSTD-STR	Pipettes Stand, Straight

PSPIPFIX-1000

Fixed Volume Pipettes

Regel tekst eronder: All pipettes have been quality tested according to ISO8655-2:2002 with calibration certificate. The quality control involves gravimetric testing of each pipette with distilled water at 22°.

Part No.	Description
PSPIPFIX-0001	Volume 0,1-2,5µl
PSPIPFIX-0005	Volume 0,5-10µl
PSPIPFIX-0020	Volume 2-20µl
PSPIPFIX-0050	Volume 5-50µl
PSPIPFIX-0100	Volume 10-100µl
PSPIPFIX-0200	Volume 20-200µl
PSPIPFIX-0500	Volume 50-200µl
PSPIPFIX-1000	Volume 100-1000µl
PSPIPFIX-2000	Volume 200-1000µl
PSPIPFIX-1M00	Volume 1ml-5ml
PSPIPFIX-2M00	Volume 2ml-10ml
PSPIPSTD-RND	Pipettes Stand, Round

PSPIPSTD-STR

Pipette Tips

Part No.	Description
PSPIPTPS-0010	Tips non-sterile, up to 10µl, 1000pcs/bag
PSPIPTPS-0200	Tips non-sterile, up to 200µl, 1000pcs/bag
PSPIPTPS-1000	Tips non-sterile, up to 1000µl, 500pcs/bag
PSPIPTPS-5000	Tips non-sterile, up to 5000µl, 100pcs/bag

PSPIPSTD-RND

Index

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