

BASKETS

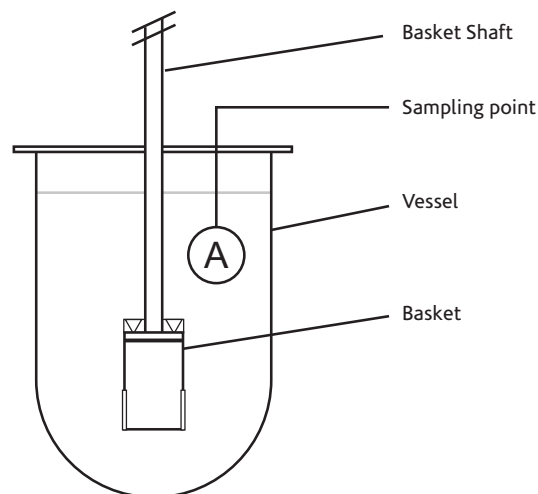
THE BASKET METHOD Apparatus 1

Adopted in 1970, the rotating basket method of dissolution testing was the first official method. It essentially consists of an approximately 1 inch (25.4mm) x 1 3/8 inch (34.925mm) stainless steel, 40 mesh wire basket rotated at a constant speed between 25 and 150rpm. This method is now called Apparatus 1 (or Method 1).

The apparatus consists of a metallic drive shaft connected to the cylindrical basket. The basket is positioned inside a vessel made of glass or other inert, transparent material (see page 20). The vessel contents are kept at a constant temperature by being placed inside a water bath or heating jacket. The solution in the vessel is stirred smoothly by the rotating basket.

The USP Method 1 requires a 40 mesh screen unless otherwise specified in the monograph. Other meshes can be used to solve individual problems.

Baskets and basket shafts should be serialized where possible and the serial number noted for each test. All baskets are supplied with a Certificate of Conformance (COC) stating that they are USP compliant, where applicable, and that they meet the machine manufacturer specifications. A Certificate of Analysis (COA) is available at an additional cost.

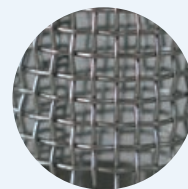


KEY CONSIDERATIONS

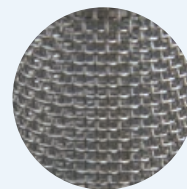
Mesh Openings — One of the biggest problems associated with the basket method involves the clogging of the mesh openings by particles or excipients or the random release of particles through the mesh to the bottom of the vessel. Baskets with a wide variety of mesh openings are available and if the disaggregated particle size is consistent, a variation of mesh size may solve some difficult dissolution problems.

Sintered Mesh — Every QLA stainless steel basket, that conforms to USP, is manufactured using a sintered mesh. Sintering is a strengthening process that compresses and heats the mesh under high pressures and temperatures. This results in welded joints at all the wire overlaps and adds considerable strength and longevity to the basket.

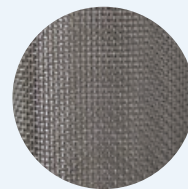
Suppository Baskets — Made from plastic, these baskets have vertical slots instead of mesh to facilitate dissolution. Blocking and/or clogging of the mesh opening is prevented by the use of such a basket, particularly when oil-based suppositories are used.



10 MESH



20 MESH



40 MESH



SUPPOSITORY BASKETS

Note: Other mesh sizes are available on request. For more information, contact your QLA Sales Rep.

CARE & MAINTENANCE

Basket Handling — Since dissolution basket mesh is easily deformed, baskets should only be handled by the upper rim. QLA offers a special tool for installation and removal of baskets from the basket shaft (see page 6).

Basket Cleaning — Care should be exercised to ensure that baskets are clean prior to use. Often the dosage form can clog the mesh which will prevent free media movement into the basket. Careful cleaning is required to ensure there is no contamination between tests.

Basket Storage — Baskets should be stored correctly to extend their life. They can frequently be found rolling around in a lab drawer! Baskets can easily be stored in the supplier's case or using a specially designed basket holder (see page 7).

Note: All baskets are laser marked with a unique serial number and come with COC (where applicable).



AGILENT COMPATIBLE BASKETS
(INCLUDES LEGACY VANKEL)

Part No.	Description	OEM Ref
BSK010-01	10 Mesh Basket, Clip Style, 316 SS, Serialized	12-2125
BSK020-01	20 Mesh Basket, Clip Style, 316 SS, Serialized	12-2120
BSK040-01	40 Mesh (USP) Basket, Clip Style, 316 SS, Serialized	12-2100
BSK100-01	100 Mesh Basket, Clip Style, 316 SS, Serialized	12-2154
BSKPTV-40	40 Mesh Basket, Clip Style, PTFE Coated over 316 SS	12-2110
BSKSUP-01	Suppository Basket, Plastic	12-2130



DISTEK COMPATIBLE BASKETS

Part No.	Description	OEM Ref
BSK010-DK	10 Mesh Basket, Standard Push-On Style, 316 SS, Serialized	2821-0160
BSK010-DKC	10 Mesh Basket, Evolution Style, 316 SS, Serialized	2800-0041
BSK020-DK	20 Mesh Basket, Standard Push-On Style, 316 SS, Serialized	2821-0159
BSK020-DKC	20 Mesh Basket, Evolution Style, 316 SS, Serialized	2800-0042
BSK040-DK	40 Mesh (USP) Basket, Standard Push-On Style, 316 SS, Serialized	2821-0072
BSK040-DKC	40 Mesh (USP) Basket, Evolution Style, 316 SS, Serialized	2800-0032
BSK100-DK	100 Mesh Basket, Standard Push-On Style, 316 SS, Serialized	2800-0004
BSK100-DKC	100 Mesh Basket, Evolution Style, 316 SS, Serialized	2800-0043
BSKPTD-40	40 Mesh Basket, Standard Push-On Style, PTFE Coated over 316 SS	QLA
BSKSUP-DK	Suppository Basket, Plastic	3250-0445
BSKHUB-DK	Basket Adapter Hub for Standard Push-On Style, 316 SS, Serialized	2821-1052
BSKHUB-DKC	Basket Adapter Hub for Evolution Style, 316 SS, Serialized	2821-0459
BSKCLP-DKC	Basket Clip for Evolution Style Hub, 316 SS	3100-0017



ERWEKA COMPATIBLE BASKETS

Part No.	Description	OEM Ref
BSK010-EW	10 Mesh Basket, Clip Style, 316 SS, Serialized	90-000-6010
BSK020-EW	20 Mesh Basket, Clip Style, 316 SS, Serialized	90-000-6020
BSK040-EW	40 Mesh (USP) Basket, Clip Style, 316 SS, Serialized	90-000-6040
BSKSUP-EW	Suppository Basket, Plastic	70-000-5004



HANSON COMPATIBLE BASKETS

Part No.	Description	OEM Ref
BSK010-HR	10 Mesh Basket, Clip Style, 316 SS, Serialized	65-220-010
BSK020-HR	20 Mesh Basket, Clip Style, 316 SS, Serialized	65-220-020
BSK040-HRP	40-Mesh (USP) Precision Basket, Clip Style, 316 SS, Serialized	74-105-252
BSK100-HR	100 Mesh Basket, Clip Style, 316 SS, Serialized	QLA
BSKPTH-40	40 Mesh Basket, Clip Style, PTFE Coated over 316 SS	QLA
BSKSUP-HR	Suppository Basket, Plastic	65-700-048



PHARMATEST COMPATIBLE BASKETS

Part No.	Description	OEM Ref
BSK010-PT	10 Mesh Basket, Clip Style, 316 SS, Serialized	311-2804
BSK020-PT	20 Mesh Basket, Clip Style, 316 SS, Serialized	QLA
BSK040-PT	40 Mesh (USP) Basket, Clip Style, 316 SS, Serialized	311-2803
BSKPTP-40	40 Mesh Basket, Clip Style, PTFE Coated over 316 SS	QLA
BSKSUP-PT	Suppository Basket, Plastic	QLA



SOTAX COMPATIBLE BASKETS

Part No.	Description	OEM Ref
BSK010-ST	10 Mesh Basket, Clip Style, 316 SS, Serialized	QLA
BSK020-ST	20 Mesh Basket, Clip Style, 316 SS, Serialized	QLA
BSK040-ST	40 Mesh (USP) Basket, Clip Style, 316 SS, Serialized	2830
BSKSUP-ST	Suppository Basket, Plastic	QLA



BASKET INSERTION AND REMOVAL TOOL

QLA's Basket Tool provides a firm grip on baskets without damage to the basket during insertion and removal from shafts. The tool grabs the lower rim and protects the delicate wire mesh for an easy fit of basket onto shaft.

Key Benefits:

- Can be used with any standard size dissolution basket
- Decreases contamination from hands
- Basket damage can result in excessive basket wobble and mechanical calibration failure
- Simple but effective design
- Can significantly increase the life of baskets and pay for itself in no time.

Part No.	Description	OEM Ref
BSKTOOL	Basket Insertion/Removal Tool	QLA
BSKTOOL-DK	Basket Insertion/Removal Tool for thick rim baskets	QLA



OVERSIZE 40 MESH 24.5MM ID BASKET AND BASKET SHAFTS

Part No.	Description	OEM Ref
CUSTBSK-40	40 Mesh Basket, Clip Style, 24.5mm ID, 316 SS, Serialized	QLA
CLIPHUB-DK	Detachable Basket Hub for 24.5mm Basket, 316 SS, Serialized (Distek compatible)	QLA
CUSTSHT-DK	16.5" (420mm) Basket Shaft for 24.5mm Basket, 316 SS, Serialized (Distek compatible)	QLA
CUSTSHT-EW20	20" (508mm) Basket Shaft for 24.5mm Basket, 316 SS, Serialized (Erweka compatible)	QLA
CUSTSHT-HR	16" Basket (405mm) shaft for 24.5mm Basket, 316 SS, Serialized (Hanson SR8-Plus compatible)	QLA
CUSTSHT-HRV	Basket Shaft for 24.5mm Basket, 316 SS, Serialized (Hanson Vision compatible)	QLA
CUSTSHT-VK15	15" (380mm) Basket Shaft for 24.5mm Basket, 316 SS, Serialized (VanKel/Varian compatible)	QLA
CUSTSHT-VK13	14.5" (370mm) Basket Shaft for 24.5mm Basket, 316 SS, Serialized (V-Series compatible)	QLA
CUSTSHT-VK19	19" (480mm) Basket Shaft for 24.5mm Basket, 316 SS, Serialized	QLA



CUSTBSK-40



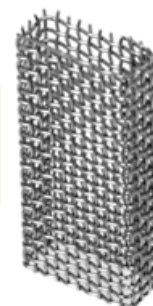
BASKET SHAFT FOR 24.5MM BASKET

Note: Custom length shafts and other mesh sizes are available upon request.

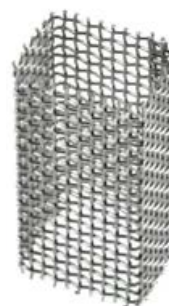
METFORMIN SAMPLE HOLDERS

Part No.	Description	OEM Ref
VERTHLD-500	Vertical Sample Holder for Metformin 500mg, 316 SS	12-2170 ^A
VERTHLD-750-1K	Vertical Sample Holder for Metformin 750mg or 1000mg, 316 SS	12-2165 ^A

OEM Key
^A AGILENT



VERTHLD-500



VERTHLD-750-1K

BASKET STORAGE

QLA's Basket Holders provide a convenient way to organize and store baskets when not in use. The chances of accidentally damaging baskets can be significantly reduced with the use of a good quality basket holder.

Key Benefits:

- Compatible with all popular basket types (Agilent, Distek, Erweka, Hanson, Pharmatest, Sotax)
- To ensure your tests meet USP requirements, it is essential that all baskets are not bent or deformed
- O-rings ensure baskets are held firmly to the holder
- Fully stackable to maximize storage space and transport many baskets
- Low cost — it pays for itself by preventing damage to just one basket!

Part No.	Description	OEM Ref
BSKHLD-6	6 Position Basket Holder	QLA
BSKHLD-12	12 Position Basket Holder	QLA



BSKHLD-6



BSKHLD-12

FELODIPINE BASKETS

Can be used on most dissolution testers.

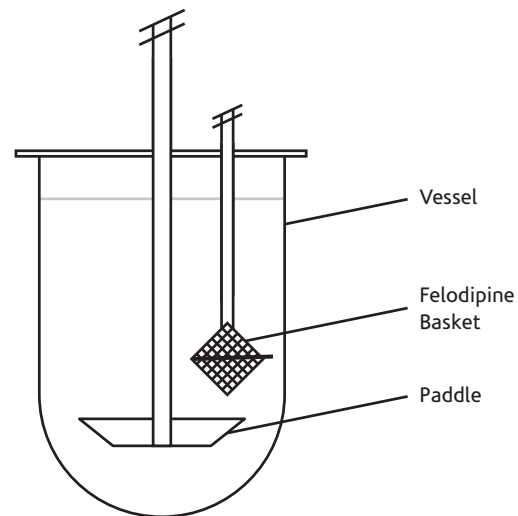
The USP Monograph for Felodipine Extended-Release Tablets specifies the use of a quadrangular stationary basket. The QLA Stationary Basket fully complies with the USP Monograph.

The QLA Felodipine Basket is made from precision welded 316 stainless steel mesh and the basket is securely fixed to the shaft and will not easily bend or break off. The basket also features a small flap to prevent the tablet from escaping during testing. The flap is fabricated so that it will not fall off or be lost during use.

USP 26 requires the use of a basket suspended a precise distance from the paddle shaft, which in turn requires the use of a modified vessel cover.

Key Considerations:

- The Felodipine Basket method offers a potential solution to problems associated with floating, sticking and swelling dosage forms.
- While the use of sinkers may solve similar problems, their final position in the dissolution vessel may vary, thus contributing to variations in test results — these variations can be eliminated by using the stationary basket.
- Suitability for certain applications must be verified.



Part No.	Description	OEM Ref
STABSK-VK8	Felodipine Quadrangular Basket, 8 Mesh, 316 SS	QLA



STATIONARY BASKETS

Can be used on most dissolution testers. A modified vessel cover may be needed.

Part No.	Description	OEM Ref
STABSK-10	Stationary Basket Assembly with Basket Shaft and 10 Mesh Basket, 316 SS	12-2061 A
STABSK-20	Stationary Basket Assembly with Basket Shaft and 20 Mesh Basket, 316 SS	12-2060 A
STABSK-40	Stationary Basket Assembly with Basket Shaft and 40 Mesh Basket, 316 SS	12-2063 A



QLA is the Only On-site Basket Manufacturer in the Industry

All baskets made in our facility with a focus on precision and quality.