

INTRINSIC DISSOLUTION KIT

Part No.	Description	Price
0012-7825	Pharmaceutical Active Ingredients Intrinsic Dissolution Rate Kit, comprising 6 316 Stainless Steel Dies, 6 anvils (punches), 1 surface pressing plate with 3 nuts and 3 washers, 6 polypropylene "caps", 6 Viton® gaskets, 6 900ml. dissolution vessels with flat bottoms.	\$7525.00
0012-8092	Intrinsic dissolution die sets with 2 dies and 2 flat bottom beakers.	\$4415.00
0012-7760	Optional 1 ton high sensitivity hydraulic press, CE marked, 57 pound shipping weight.	\$3952.00
0012-7417	Optional 2 ton high sensitivity hydraulic press, CE marked, 57 pound shipping weight.	\$3967.00

How the Kit Works:

The active pharmaceutical ingredients are placed in the 8mm bore of the die and compressed between an 8mm anvil and a base plate using a hydraulic press. The base plate is positioned using 3 pins. Pressure is held for 4-5 minutes at 2000psi.

The die has a Viton cap which allows it to be dropped into a glass dissolution vessel without fear of breakage. When the die is disassembled, 0.5cm² of the active ingredient sample is exposed in the aperture of the die in which it was compressed. The entire top section of the die containing the sample is dropped, Viton® cap down and sample up, onto the flat bottom of the dissolution vessel containing 900 ml of dissolution medium at 37°C. The USP Apparatus II paddle is positioned one (1) inch above the die and rotated at 50 rpm.

Aliquots of media can be removed at timed intervals using an auto sampler and the bath can be interfaced for on-line analysis with a UV-VIS spectrophotometer. [Visit our catalog](#) to learn more

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