

Bio-Dis Release Rate Tester (USP Method 3 or 7) Caleva RRT9



Extended and controlled release drug development has generated the need for efficient test evaluations over unlimited time and at varying pH levels. The Caleva Release Rate Tester (RRT9) is the latest solution for testing such products. GB Caleva Ltd has developed the RRT9 with Bio-Dis Ltd. The unique left to right movement allows easy access and visibility to each row and there is no head unit to attract corrosion.

- Dissolution unit for multiple media change (up to six times automatically) which complies with USP Method 3 and optionally Method 7.
- **New!!** Firmware with IQ/OQ function, product memory and password access.
- **New!!** Flexible vessel configurations (including 1 litre vessels) according to customer requirements.
- **New!!** USP Method 3 to 7 Conversion Kit. Get two units in one!
- Can either be used stand-alone or in combination with a sample withdrawal system, pump, fraction collector or spectrophotometer and software package.
- Exceeds USP requirements.
- Full printing capability with desktop printer option.
- Fully programmable with independent duration/dip speed/hold (drip) time for each row.
- Manual/Automatic control.
- Quick Release Dipping Arms with automatic height adjustment.
- 6 coated vessel row racks to allow easy access, removal, cleaning and media input.
- Compact bench print design.
- Integrated heater.
- Easy to use control panel with text message style input.
- Media degasser with option for 250ml vessel filling available.
- Evaporation covers.

USP3 Specification (please ask for details of USP7)

Machine Dimensions	Height 615mm Width 695mm Depth 590mm
Packed Dimensions	800 x 800 x 800mm
Weight	Net Weight 50kg Gross Weight 60kg
Voltage	230v/50Hz 115v/60Hz
Test Stations (standard configurations)	36 in 6 rows. Each row with 6 stations and 2 vials for reference purposes.
Test Vessels	Cylindrical flat bottomed glass vessels 250ml (media volume).
Test Cylinders	Glass reciprocating cylinders fitted with mesh screens top and bottom.
Speed	5-40 strokes per minute.
Temperature Measurement	Better than $\pm 0.5^\circ$ C accuracy.

Heating System	Internal flow through heating. Heating rate 1200w at 230v/50Hz. Heating rate 1200w at 115v/60Hz. Temperature range 20°C-37°C in 30 minutes. Temperature accuracy $\pm 0.2^\circ$ C.
Water Bath	One piece moulded 6mm clear acrylic glass. Volume 40 litres including immersed volume of dissolution vessels.
Physical	Stroke of 100mm. External PT100 sensor. Agitator shafts in 316 stainless steel. Vessel Racks in Teflon Coated stainless steel.
Centring	The cylinders will automatically centre inside the vessels.
Evaporation	Losses by evaporation are prevented by a covering system.
Control	RRT9 internal machine software permits manual control of the unit through the control pad.
Catalogue Number	502500



Easy to maintain and clean the RRT9 includes vessel racks for each row allowing ease of access, use and media preparation. An Auto-sampling Arm is available for connection to a fraction collector.

Validation documentation as well as validation and maintenance services or a validation toolkit can be offered by Caleva. Clorpehniramine Maleate Tablets, USP Chlorpeniramine and Theophylline is also available for validation purposes. A wide range of spares are available at excellent prices.