

SUPPOSITORY DISINTEGRATION TESTER - TORONSDT™

3



ToronSDT™ 3 Suppository Disintegration Tester ensures precise testing of suppository disintegration time, meeting the latest Ph. Eur. standards. It features three independent test stations, programmable rotation intervals, and a controlled water bath for accurate results.

Accessories

Accessories of Suppository Disintegration Tester

(ToronSDT™ Holder for Basket 40 Mesh 24.5 mm (Set of 6) - 0104A00206

Accessories of Suppository Disintegration Tester

100 ml Vessels (6 rows X 7 vessel each)

Accessories of Suppository Disintegration Tester

1000 ml vessels - 1101A00003

APPLICATIONS

- **Pharmaceutical Quality Control** – Ensures suppositories meet regulatory disintegration time requirements according to Ph. Eur. standards.

- **Formulation Development** – Supports R&D teams in evaluating new suppository bases and excipients.
- **Stability Testing** – Assesses the effect of storage conditions on disintegration performance.
- **Production Line Monitoring** – Provides consistent batch-to-batch validation for manufacturing processes.
- **Academic and Research Laboratories** – Facilitates training, teaching, and comparative studies on drug delivery systems.
- **Regulatory Compliance Testing** – Delivers reliable data for documentation and approval submissions.

THEORY & METHOD

The ToronSDT™ 3 accurately measures the disintegration time of suppositories in accordance with the latest Ph. Eur. standards.

1. Three independent test stations operate simultaneously
2. Programmable test cylinder rotation intervals from 1 to 99 minutes
3. Precision temperature control maintains bath temperature between 30 and 50°C ($\pm 0.5^{\circ}\text{C}$)
4. Integrated slow water circulation in a 12-liter clear Perspex bath, meeting Ph. Eur. guidelines

TECHNICAL SPECIFICATIONS

Model	ToronSDT™ 3
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Temperature range	30° C to 40° C range
Temperature accuracy	+0.5° C
Temperature resolution	0.1 C
Timer range	1 min to 99 hrs, 59 mins and 59 secs
Display	6 digit LED 1 digit for step no. 1 to 6 4 digit for displaying time
Sample interval	6
Bath	6 mm thick clear acrylic water bath
Bath size (L x W x H)	310 x 160 x 260 mm
Heater	750 Watt
Motor drive	230 VAC/50 Hz 10 Kg cm synchronous motor
No. of baskets	Removable basket stand comprising of 3 baskets
Sweep	180° after every set time
Power supply	230 VAC, 50 Hz, 580 VA (110V is also available)
Dimensions (L x W x H)	345 x 380 x 340 mm

Ordering Information

Product Code	Description	Quantity
0240500	ToronSDT™ 3 (Body made of S.S.) -230V	1
02500	ToronSDT™ 3 (Body made of M.S.) -230V	1
0230500	ToronSDT™ 3 (Body made of S.S.) -110V	1
0210500	ToronSDT™ 3 (Body made of M.S.) -110V	1

Standard Accessories

Part number	Description	Quantity
0205B00023	Basket assembly	3

Optional Accessories

Part number	Description	Quantity
0104A00449	Deconex 12 BASIC bole (1000 ml)	1
0205A00002	ToronSDT™ 3 Acrylic Slider	1
0205A00001	ToronSDT™ 3 Validation Kit	1



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