Suppository Dissolution Cell, PTSW 0

The PTSW O Suppository Dissolution Test Cell (Rotating Dialysis Cell) is placed into a normal USP type dissolution bath to test the rate of dissolved active of suppositories and lypophilic carriers.

The cell is emerged in the dissolution vessel. It is developed for the study of drug release from hydrophobic carriert preparations, such as suppositories. It encloses a small volume (max. 30ml) of inner fluid by means of a dialysis membrane. The cell itself rotates horizontally in a larger volume of test media which has the same pH as the inner volume. The sample is inside the inner cell. The rotating speed is reduced in a ration of 2 : 1.

A dissolution study has shown that the cell is a suitable tool to study factors which may influence the dissolution and absorbtion of controlled release formulations.

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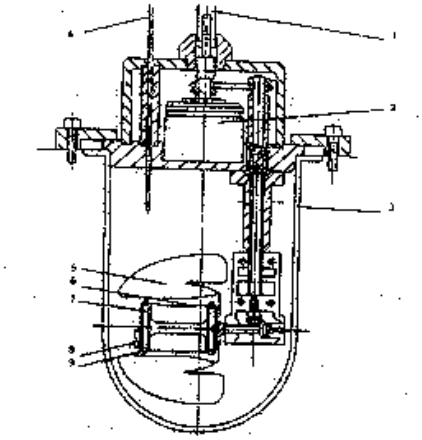
Reference:

Silvia K. El-Arini, Gerald K. Shiu and Jerome P. Skelly - Pharmaceutical Research, Vol. 7, No. 11. 1990



1	drive shaft
2	reduction gear drive
3	USP glass vessel
4	thermometer
5	agitator blade
6	dialysis membrane
7	O-ring
8	dialysis cell
9	plastic insert supporting membrane

Technical data

Rotation:	5 to 60 rpm, reduction gear 2:1
Filter tube:	typical: Milipore Durapor HPLV 0.45 ym
Test stations:	1

The PTSW O can be used inside the Dissolution Bath types PTWS 3CE, PTWSIIIE, PTWS 300 and PTWS 600.

We reserve the right to make technical changes without any prior notice

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