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Standard Operating Procedure (SOP) for Operation and Calibration of Dissolution Test Apparatus (Make- Electrolab) used to measure the drug release of Oral Solid Doses in pharmaceuticals. This SOP Contains following Topics – A) Operating Procedure for Electrolab Dissolution Apparatus, Model : TDT-08L 0, TDT-14L, and similar models.

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Tablet Dissolution is a standardised method for measuring the rate of drug release from a dosage form and the key word here is “ standardisation” because for any results to be meaningful, it is essential that all the apparatus used for the testing, produces the same sets of results given all other parameters are equal.

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This method is used to monitor the quality of the capsules and tablets that are produced. A drug can only go into the market if only it passes a dissolution test and is approved. Types of Tablet Dissolution Apparatus: The different types of tablet dissolution apparatus as per USP include: 1. Basket type 2. Paddle type 3. Reciprocating cylinder 4.

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Teledyne Hanson provides an extensive range of dissolution tester accessories including precision dissolution vessels, vessel covers, paddles (USP Apparatus 2), baskets (USP Apparatus 1), sampling probes, temperature probes, small volume kits, filter block kits, humidity-sealed dosage-drop chambers, and more.

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The 708-DS dissolution apparatus is a modular system designed for manual or automated dissolution testing. The instrument can be configured for use with baskets (Apparatus 1), paddles (Apparatus 2), paddle over disk assemblies (Apparatus 5), and rotating cylinders (Apparatus 6), and can accommodate vessel sizes from 100 mL to 2 L.

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