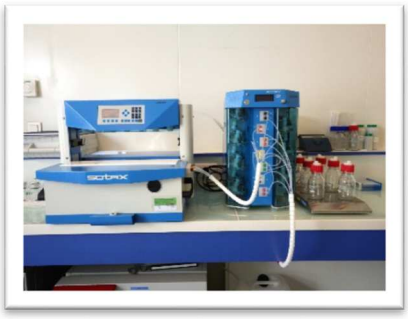
NEW APTYS CAPABILITIES!
For the analysis of complex formulations such as powders, APIs, lipophilic forms, suspensions, liposomes, microspheres…

Flow Through Cell Dissolution SOTAX CE 7smart (USP-4)

Description

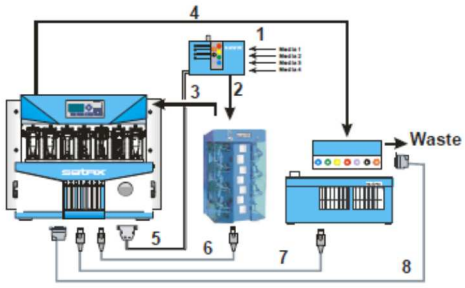
In the flow-through method, the test sample is located in a small volume cell through which media is pumped at a temperature of 37 °C. The eluate is filtered upon leaving the cell and then can be analyzed directly or collected in fractions to calculate the percent drug release.



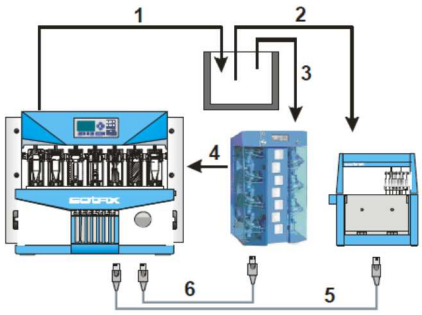
Applications

The flow through technique is able to fulfill the requirements of complex formulations such as powders, APIs, lipophilic forms e.g. suppositories, suspensions, liposomes, microspheres, semi-solids, implants and medical devices e.g. drug eluting stents.

The apparatus can be set up in “open loop” or “closed loop” configurations. Open Loop is generally used for poorly soluble compounds when fresh media flows across the dosage form or when multiple media change methods are required. In closed loop, the Flow Through Method is conducted much like USP Apparatus 1 and 2 where a fixed volume of media circulates across the dosage form.



Closed loop



Open loop

About Aptys Pharmaceuticals

APTYS is a CRDO (contract research and development organization) which develops innovative products based of its expertise in pharmaceutical technologies and peptide delivery.

☞Our customers benefit from our know-how and creativity with a strong guarantee of high quality.

APTYS offers ISO9001 aligned contract service, according to cGMP.

- ✓ Custom-made formulation development including in vivo/in vitro assessments.
- ✓ Semi solid dosage forms for topical and transdermal delivery.
- ✓ Injectable peptide depot formulations.
- ✓ Analytical development and validations.
- ✓ Quality control and ICH stability.