



USER GUIDE

LONG ACTING INJECTABLE ADAPTERS, USP 4



The Long Acting Injectable Adapters for USP 4 enable dissolution testing of long-acting injectables and other extended-release dosage formulations using USP4 Flow-through cells. The adapters hold samples of different volumes.

EQUIPMENT AND MATERIALS



-  Long Acting Injectable Adapter 50 μ L, USP 4 (part number 122634)
-  Long Acting Injectable Adapter 1mL, USP 4 (part number 122633)

INSTRUCTIONS

1 Unpacking

-  Unpack components from the packaging.
-  Clean with isopropyl alcohol IPA.

2 Placing the adapter into the flow-through cell

-  Place the adapter inside the cell as shown below.
-  Gently press the adapter with your finger to confirm that it rests at the bottom and is not wobbling.





50 μ L adapter



1 mL adapter

3 Sample loading into LAI adapter

-  Confirm that the sample is well mixed before loading it into the adapter cavity.
-  Carefully load the sample volume as shown below. Close the flow-through cells.

NOTE: Avoid disturbing the sample to prevent smearing over the adapter prior to starting the experiment.



On left sample introduction in a 1mL adapter.

On right how sample would look in a 50 μ L adapter.



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Cleaning of adapter

- Once the test is completed, carefully remove the adapter from the flow-through cell.
- Place the adapter in IPA or ethanol and sonicate for 15 minutes.
- Repeat the sonication step using clean deionized water.
- Rinse the adapter thoroughly with deionized water and allow it to dry.