

Adjustable Volume Micropipette

Principle:

An adjustable volume micropipette works on the principle of air displacement. Pressing the plunger creates a vacuum that draws a specific volume of liquid into a disposable tip. Releasing the plunger dispenses the measured liquid accurately.

Main Parts:

- Plunger
- Volume adjustment dial
- Disposable tip
- Tip ejector
- Digital volume display

Uses:

- Accurate measurement and transfer of small liquid volumes (μL range)
- Biochemical and molecular biology experiments
- Clinical and diagnostic laboratories
- Pharmaceutical and research work

Advantages:

- High accuracy and precision
- Adjustable volume range
- Easy to use with disposable tips (prevents contamination)