

1 Technical Specifications & Features



High Sensitivity Detection

Detects FSH concentrations as low as **0.134 mIU/ml** within a 0–100 mIU/ml range



Minimal Sample Requirement

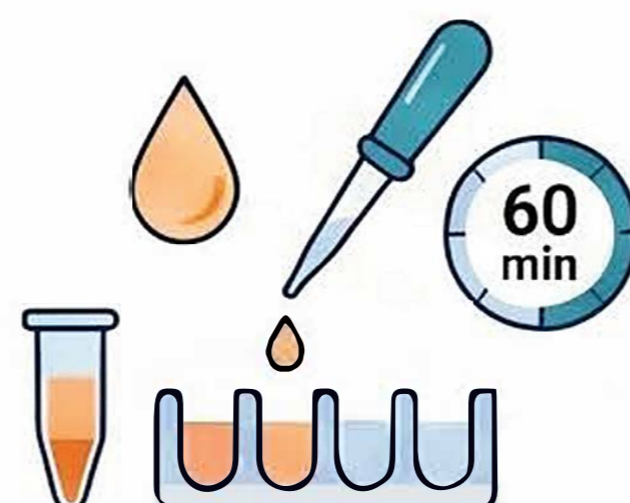
Requires only **50 µl** of human serum for accurate quantitative determination



Rapid Workflow

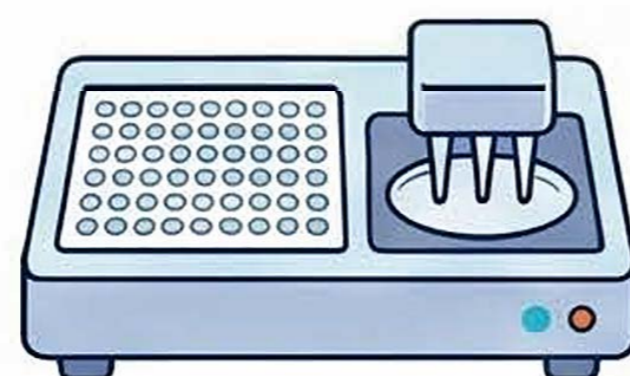
Total incubation time is only **75 minutes** at room temperature

Assay Procedure (75-Minute Workflow)



1. Sample & Enzyme Incubation

Combine 50µl sample and 100µl Enzyme Reagent, incubate for 60 minutes



2. Wash & Substrate Reaction

Wash 3 times, add substrate, and incubate for 15 minutes before adding stop solution



3. Signal Quantitation

Read absorbance at 450nm within 30 minutes of adding stop solution

3 Clinical Reference Ranges & Quality Control



Gender-Specific Benchmarks

Category	Reference Range (mIU/ml)
Women: Follicular / Luteal	2.0 – 12.0
Midcycle / Postmenopausal	8.0 – 151.0
Men	1.0 – 14.0



Quality Control Requirement

For valid results, the absorbance (OD) of Calibrator F must be **≥ 1.3**

