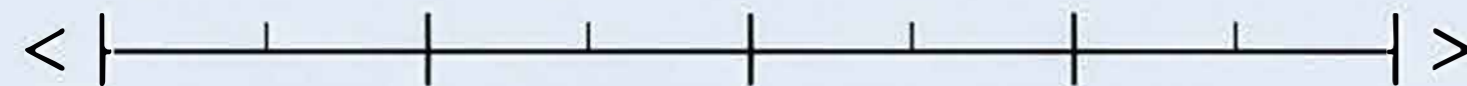


1. Performance & Technical Specifications



2.0 ng/mL Sensitivity

High-precision detection with no cross-reactivity with hCG, TSH, LH, FSH, or hGH



0-200 ng/mL Detection Range

Supports for diverse clinical patient profiles



65-Minute Total Incubation

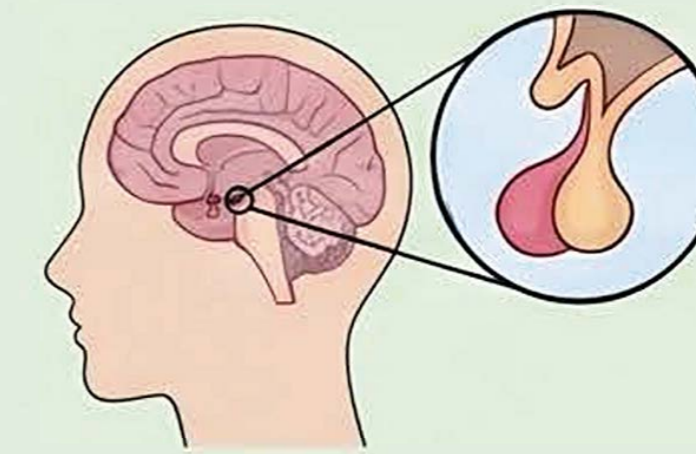
45-Minute
Sample Reaction

20-Minute
Color Development

Reference Ranges for Clinical Interpretation

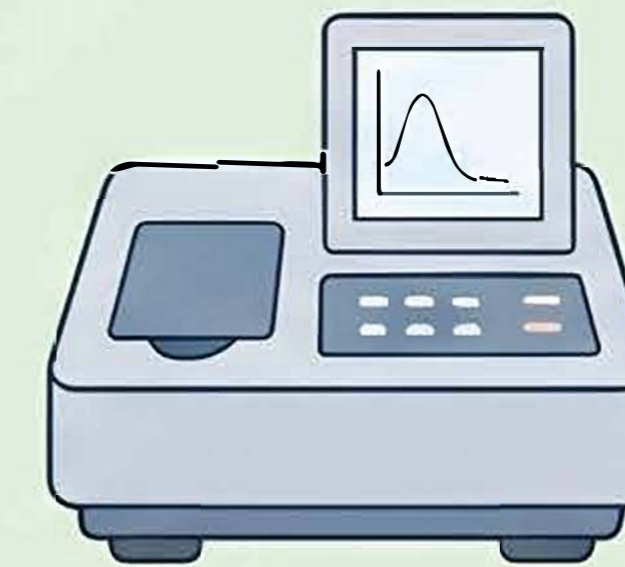
Category	Expected Range (ng/mL)
Adult Male	3.0 – 14.7
Adult Female	3.8 – 23.2
Pregnancy (3rd Trimester)	95.0 – 473.0

2. Clinical Significance & Diagnostic Utility

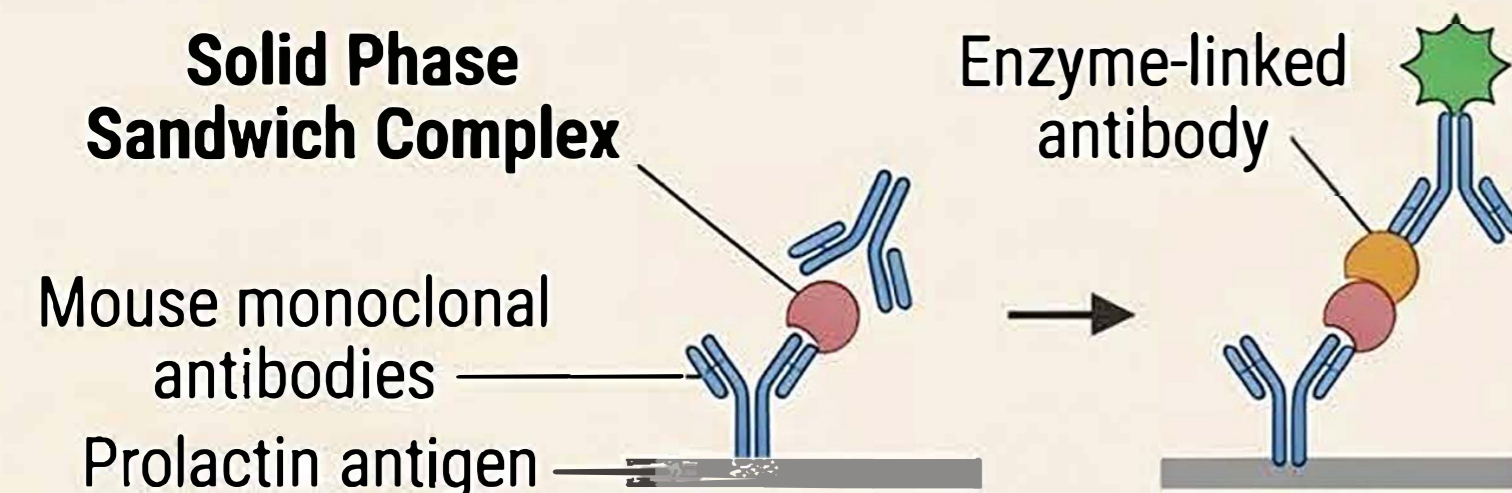


Hypothalamic-Pituitary Diagnostics

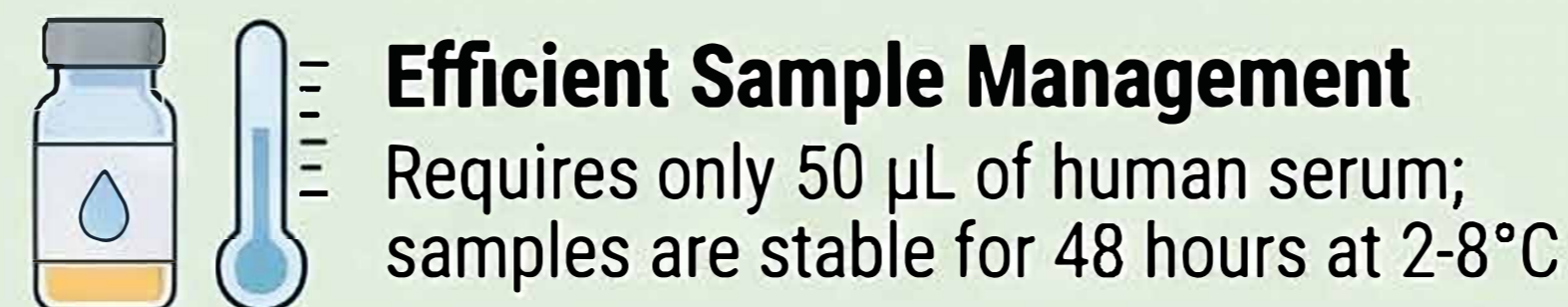
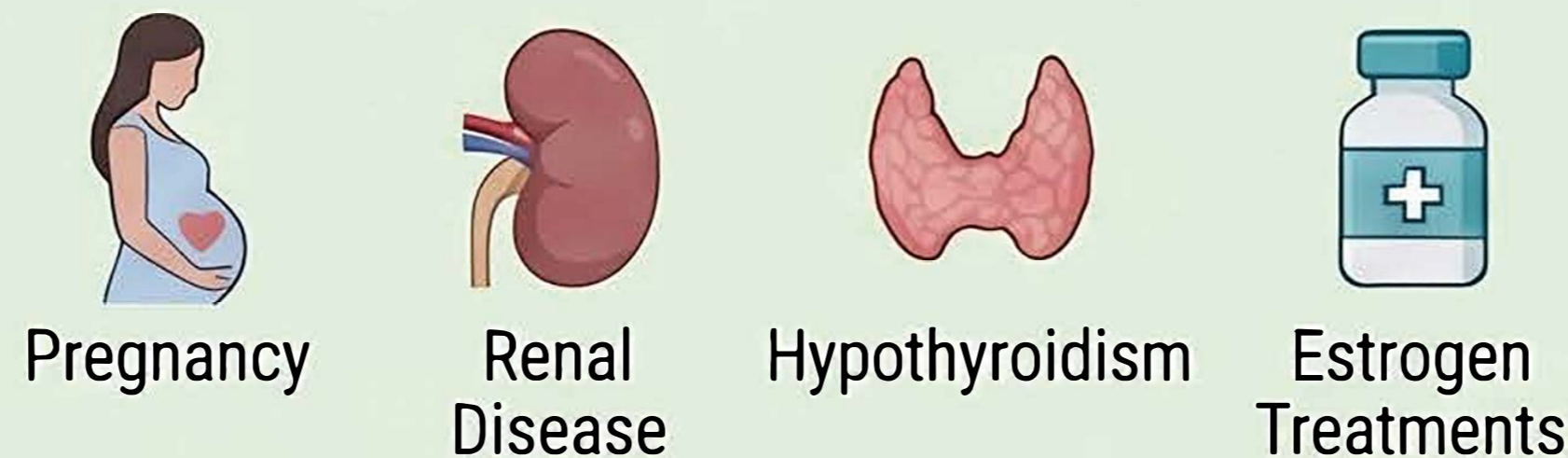
Primary tool for identifying pituitary tumors (microadenomas) and causes of galactorrhea



3. Assay Principle & Workflow

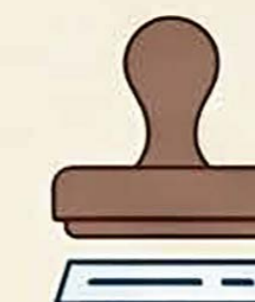


Factors Influencing Prolactin



Spectrophotometric Results

Final absorbance measurement after adding stop solution



Standardized Calibration

Reference standards are calibrated against the WHO 1st IRP 75/504 preparation