Spectroscopy in Diagnostics

Clinical Chemistry

Automated analyzers. Glucose, electrolytes, enzymes.

Immunoassays

ELISA, CLIA. Antibody-based detection. High sensitivity.

Molecular Diagnostics

PCR, qPCR, NGS. Pathogen detection, cancer markers.

Validation

Accuracy, precision, sensitivity, specificity. FDA/CLIA requirements.