

Point-of-Care Devices

Lateral Flow Assays

Pregnancy tests, COVID-19, Rapid diagnostics. Gold nanoparticles.

Microfluidic Platforms

Lab-on-a-chip. Minimal sample volume. Integrated detection.

Smartphone Readers

Camera-based detection. AI image analysis. Telemedicine integration.

Colorimetric Tests

Visual readout. No instrumentation. Resource-limited settings.