

Apex Labs Logo

MEDICAL DIAGNOSTICS PORTFOLIO

PATHOLOGY & HISTOPATHOLOGY

Precision Tissue Processing Microtomes, Paraffin Bath Stations,
Hematology Diagnostics & Reagent Mixing Systems

Apex Labs Varanasi

Complete Portfolio Solutions for Medical Colleges, Diagnostic Centers, Cytology Laboratories &
Histology Research Units
Varanasi, Uttar Pradesh, India

Official Diagnostic Reference Catalogue | Ref: AL-PATH-NC-2026

PATHOLOGY INSTRUMENTS & TISSUE PROCESSING SYSTEMS

Apex Labs Varanasi introduces its clinical-grade, unpriced reference catalog for **Pathology and Histopathology Laboratory Systems**. This specialized index encompasses critical tissue processing equipment—ranging from ultra-precise Spencer-type rotary microtomes and thermostatically controlled paraffin embedding stations to bright-line double Neubauer chambers, benchtop fluid centrifuges, and archival slide indexing cabinets. All instruments are engineered to comply with strict medical laboratory diagnostic validation loops, delivering consistent specimen structural retention and long-term operating durability. *Please quote the specific alphanumeric item codes when communicating with our commercial estimation desk.*

	EQUIPMENT CLASSIFICATION	TECHNICAL PARAMETERS & BUILT SPECIFICATIONS
AL-HP-001	Rotary Microtome (Spencer Type Heavy-Duty)	Precision tissue sectioning instrument equipped with a robust mechanical feed mechanism. Provides section thickness adjustments from 1 to 50 microns. Features an independent knife holder block and automated click-counter assembly.
AL-HP-002	Microtome Razor Sharpener & Stropping Machine	Automated honing and stropping mechanism to maintain perfectly linear, nick-free profiles on standard carbon steel microtome blades.
AL-HP-005	Paraffin Wax Tissue Embedding Bath	Electrically operated, double-walled digital thermal bath featuring multiple cups and embedding molds. Maintains tight temperatures between 50°C and 80°C to handle standard histology waxes.
AL-HP-008	Tissue Floating Bath (Digital Circular)	Thermostatically controlled black anodized inner chamber designed for wrinkle-free distortionless ribbon flattening, collection, and slide mounting sequences.
AL-HP-012	Slide Warming Table (Rectangular Top)	Equipped with a uniform flat heating element surface and digital controller to rapidly dry and fix mounted paraffin sections onto glass slides.
AL-HP-020	Coplin Staining Jar (Heavy Clear Glass)	Vertical groove containment block built to hold up to 10 standard 75x25mm slides back-to-back during hematoxylin, eosin, or special staining protocols.
AL-HP-022	Hellendahl Staining Jar (Borosilicate)	Wide horizontal glass staining tray with integrated guiding ribs, allowing simultaneous serial fluid treatment loops.

	EQUIPMENT CLASSIFICATION	TECHNICAL PARAMETERS & BUILT SPECIFICATIONS
AL - HP - 025	Slide Storage Cabinet (1000 Slide Capacity)	Heavy-gauge steel cabinet finished in hard powder coat, fitted with smooth-sliding slotted drawers designed for the structured, indexed archiving of standard biopsy slides.
AL - HP - 028	Slide Drying Trays (Aluminum Slotted)	Lightweight folding corrugated flat metal trays engineered to air-dry stained biological specimen sets without baseline smearing.
AL - CP - 101	Clinical Laboratory Centrifuge (Mains-Operated)	High-torque speed-regulated benchtop separation system. Outfitted with an 8-place swing-out head carrying standard 15mL tubes for serum or urine deposit testing.
AL - CP - 105	Haemocytometer Complete Set (Neubauer Double)	Premium blood cell counting kit containing an optically flat Neubauer chamber with double bright-line rulings, red/white blood cell diluting pipettes, and fluid-rated cover glasses.
AL - CP - 110	Westergren ESR Stand with Tubes	Heavy metallic frame layout supporting three parallel graduated glass pipettes with leak-proof rubber pad seats to evaluate Erythrocyte Sedimentation Rates.
AL - CP - 115	Sahli's Hemoglobinometer (Square Tube Type)	Standard diagnostic kit comprising a graduated color-comparison comparator housing, precision non-fading glass color standard blocks, a 20-cm-micron pipette, and a cleaning brush.
AL - CP - 120	Vortex Reagent Mixer / Shaker Test-Tube Module	Mains-powered continuous or touch-activated eccentric motor platform designed for the rapid homogenization of diagnostic reagent mixes.
AL - CP - 125	Digital Handheld Refractometer (Serum Protein / Urine SG)	Optical triple-scale handheld testing unit checking Urine Specific Gravity, Total Serum Protein concentrations, and Refractive Index boundaries from drop volumes.