

Apex Labs Logo

LIFE SCIENCES DIVISION CATALOGUE

# BIOLOGY & ZOOLOGY LABWARE

Anatomical Models, Surgical Dissection Systems, Advanced Microscopy & Field Specimens

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## Apex Labs Varanasi

Complete Portfolio Solutions for Schools, Medical Colleges, University Departments & Botany/Zoology Research Centers

Varanasi, Uttar Pradesh, India

Official Institutional Reference Catalogue | Ref: AL-BIO-NC-2026

## BIOLOGY INSTRUMENTS & EDUCATIONAL INFRASTRUCTURE

Apex Labs Varanasi introduces its institutional, unpriced technical reference catalog for **Biology, Zoology, and Botanical Research Equipment**. This segment comprises clinical-grade staining diagnostics, heavy-duty stainless steel surgical dissection tools, life-size hand-painted anatomical system relief models, molecular genetic blocks, and laboratory microscopes. All models are fabricated using premium non-warping fiberglass resin combinations to ensure precise biological proportional rendering and long-term classroom durability. *Please quote the specific alphanumeric item codes when communicating with our commercial estimation desk.*

	EQUIPMENT CLASSIFICATION	TECHNICAL PARAMETERS & BUILT SPECIFICATIONS
<b>AL - BI - 101</b>	<b>Blood Grouping Anti-A,B,D Reagent Testing Kit</b>	Complete operational test suite containing standardized antibodies for precise clinical ABO and Rh factor identification lines.
<b>AL - BI - 002 / 1</b>	<b>Camera Lucida (Prism Type)</b>	Precision optical attachment housed in a professional storage box, enabling accurate microscopic specimen mirroring for direct manual mapping.
<b>AL - BI - 002 / 2</b>	<b>Camera Lucida (Mirror Type)</b>	Premium analytical laboratory reflection model featuring fully adjustable balance mirror rails to trace specimen structures.
<b>AL - BI - 003 / 2</b>	<b>Porcelain Cavity Spot Plate (12 Cavities)</b>	Highly glazed, acid-resistant white porcelain sorting plate designed for multi-sample chemical spot observations and tissue washing loops.
<b>AL - BI - 004 / 1</b>	<b>Single Cavity Glass Micro Slides</b>	Optically pure, uniform thickness ground-edge glass slides with a single concave depression for hanging-drop living culture studies (Pack of 10).
<b>AL - BI - 004 / 2</b>	<b>Double Cavity Glass Micro Slides</b>	Dual-concavity precision glass specimen mounts built for parallel side-by-side fluid observation benchmarks (Pack of 10).
<b>AL - BI - 005 / 4</b>	<b>Haemocytometer Precision Cover Slips</b>	Specialized optically plane parallel glass sheets, ground exactly to 20x25mm for uniform volume mapping over cell-counting chambers (Pack of 10).
<b>AL - BI - 001</b>	<b>Stainless Steel Bone Cutter Forceps (6-Inch)</b>	Heavy-duty rustproof surgical steel shears designed with precise spring-action pivot locks for bone trimming tasks.
<b>AL - BI - 006 / 2</b>	<b>Stainless Steel Dissecting Tray (Premium)</b>	Heavy-gauge, one-piece seamless stainless steel pan measuring 10"x12", built for intensive sterilization and corrosion-free tissue preparation.

EQUIPMENT CLASSIFICATION		TECHNICAL PARAMETERS & BUILT SPECIFICATIONS
<b>AL - BI - 006 / 4</b>	<b>Wax-Embedded Stainless Steel Dissecting Tray</b>	Premium 10"x12" steel tray pre-filled with high-grade black compounding wax formulation to facilitate stable specimen pinning.
<b>AL - BI - 007 / 2</b>	<b>Advanced Dissection Instrument Box (17 Pieces)</b>	Complete university-grade kit containing premium stainless steel scalpels, fine forceps, micro-scissors, blowpipes, needles, and magnifying glasses in a protective case.
<b>AL - BI - 015</b>	<b>Entomological Insect Pinning Box</b>	Lined with a dense self-healing foam base sheet, equipped with an airtight gasket-sealed framing cover to prevent pest entry into collections.
<b>AL - BI - 052 / 3</b>	<b>Human Joint Articulation Model (Premium Stand)</b>	Life-size, fully functional joint replicas showing structural ligaments and operational movement boundaries on an iron stand support.
<b>AL - BI - 052 / 10</b>	<b>Human Brain Anatomical Model (2-Part Dissectible)</b>	Full-scale sagittal breakdown separating into distinct operational hemispheres, charting ventricular cavities and vascular pathways.
<b>AL - BI - 052 / 11</b>	<b>Human Circulatory System Model (Elite Relief)</b>	Large 30"x12" high-contrast three-dimensional display tracing the major systemic arterial paths, cardiac chambers, and capillary networks.
<b>AL - BI - 052 / 12</b>	<b>Human Digestive System Model (Institutional Large)</b>	Premium 30"x12" structural board rendering the complete alimentary canal, liver lobes, pancreatic ducts, and gastric internal folding walls.
<b>AL - BI - 052 / 22</b>	<b>Human Respiratory System &amp; Lungs Set</b>	3D dimensional relief showing larynx segmentation, trachea rings, bronchia branch paths, and complete cross-dissected lung lobes.
<b>AL - BI - 052 / 30</b>	<b>Human Urinary Tract Excretory System</b>	Detailed anatomical board tracking kidney cortex profiles, adrenal attachments, ureter pathways, and full bladder bladder profiles.
<b>AL - BI - 052 / 43</b>	<b>Plant Cell Chloroplast Model</b>	Greatly enlarged ultra-structural cross-section model highlighting inner thylakoid stacks, stroma lamellae, and double membrane boundaries.
<b>AL - BI - 052 / 45</b>	<b>Cockroach Dissected Anatomical Model</b>	Enlarged insect morphology display showcasing internal nerve cords, reproductive organs, hepatic caeca, and digestive loops on a display board.
<b>AL - BI - 052 / 51</b>	<b>Chromosome Structure Relief Model</b>	Highly magnified molecular modeling outlining chromatid arms, centromeres, and secondary constriction points during division phases.

	EQUIPMENT CLASSIFICATION	TECHNICAL PARAMETERS & BUILT SPECIFICATIONS
<b>AL - BI - 052 / 54</b>	<b>DNA Double Helix Molecular Model</b>	Three-dimensional color-coded open lattice configuration detailing major/minor grooves, sugar-phosphate rails, and nitrogenous base pairings.
<b>AL - BI - 080</b>	<b>Student Monocular Compound Microscope</b>	Features stable heavy horseshoe base tracking, discrete coarse/fine adjustment racks, plano-concave mirror, and dual chromatic lenses.
<b>AL - BI - 085</b>	<b>Advanced Binocular Research Microscope</b>	Equipped with a mechanical stage, bright quadruple nosepiece revolving paths, sub-stage Abbe condenser, and halogen illumination configurations.
<b>AL - BI - 092</b>	<b>Cylindrical Glass Museum Jar with Stopper</b>	Optically clear, thick structural glass containment jar with a precision ground airtight cover plate for biological specimen archiving.
<b>AL - BI - 098</b>	<b>Botanical Plant Specimen Vasculum</b>	Oval-shaped heavy metal field collecting box finished with an adjustable shoulder transport belt and a secure spring-lock side door.