









AMICHEM ENTERPRISE

(A House of Business Solutions)

We take this opportunity to introduce ourselves as a reputed supplier organization based in Guwahati, Assam. Having years of experience in the field of supplying & distribution to the various Government and Private Institutions including the Govt. Colleges/Universities, Industries, Central University etc. Our expertise and specialty is in meeting of the requirements right from the supply chemicals, laboratory equipments, scientific equipments to all the surgical necessities. Please find below a brief outline of our basic activities.

- ***Supply of Laboratory Glasswares-*** *P*roudly collaborates with Borosil, DWK Glasswares renowned name in laboratory glassware, to provide an extensive range of precision instruments catering to the scientific community. Our offerings encompass a diverse array of products, including watch glasses, volumetric pipettes, test tubes with both screw and rim variants, serological pipettes, separating funnels, plain funnels, volumetric flasks, kjeldahl flasks, filtering flasks, conical flasks, four-neck flasks, three-neck flasks, round bottom flasks, vacuum desiccators, cylindrical glasses, and more. These instruments are meticulously designed to meet the exacting standards of scientific experimentation, ensuring accuracy and reliability.

- ***Supply of Laboratory Chemicals-*** *D*iscover the essence of scientific excellence with our comprehensive range of laboratory chemicals sourced from leading brands such as Sigma Aldrich, Himedia, JT Baker, Loba, Merck, Qualigens, Rankems, and VWR. As pivotal components in diverse research and analytical processes, our chemicals play a crucial role in advancing scientific endeavors across various industries.From pharmaceuticals to academia, our commitment to quality and reliability ensures that researchers and professionals have access to the finest chemical solutions. Trust us to be your reliable partner in supplying top-tier laboratory chemicals, contributing to the success of your experiments and innovations.

- ***Supply of Laboratory Scientific Equipments-*** Our collaboration underscores a dedication to providing state-of-the-art scientific instruments to meet the evolving needs of researchers, educators, and professionals. Modern medical labs demand sophisticated equipment to handle complex tasks and deliver accurate diagnostic results. To ensure consistent performance, using standard medical laboratory equipment is crucial. While smaller lab supplies are essential, this article focuses on expensive and elaborate laboratory equipment that is indispensable for a quality laboratory setup.

Medical Lab –

1. **Clinical Chemistry Analyzers:**

Clinical chemistry analyzers are essential for performing various tests on serum, plasma, blood, and urine, aiding in diagnosing and treating diseases. Popular brands include Beckman Coulter, Siemens Healthineers, Abbott Laboratories, Seamaty, and others.

2. **Blood Gas Analyzers:**

Blood gas analyzers are used for blood cell analysis and identifying antibodies, aiding in the diagnosis and treatment of various conditions. The Seamaty SG1 portable blood gas analyzer is a cutting-edge device for remote healthcare and emergency medical services.

3. **Hematology Analyzers:**

Hematology analyzers help diagnose and treat blood-related diseases by providing complete blood counts accurately and efficiently. Popular brands include Beckman Coulter, Abbott, HORIBA, and Bio-Rad Laboratories.

4. **Cryostats:**

Cryostats maintain cryogenic temperatures for tissue samples, aiding in diagnosing and treating autoimmune and neuromuscular diseases. Popular brands include Amos, Thermo Fisher Scientific, and Bright Instruments Ltd.

5. **Mass Spectrometers:**

Mass spectrometers are used for analyzing metabolites, proteins, and drugs, making them valuable tools in clinical treatment, toxicology testing, and drug discovery. Popular brands include Thermo Fisher Scientific, SCIEX, and Agilent Technologies.

6. **Chromatography Systems:**

Chromatography systems are used for separating and purifying mixture components, aiding in various medical tests and monitoring conditions like high blood pressure and diabetes. Popular brands include Waters, Bio-Rad Laboratories, and Gilson.

7. **Clinical Centrifuges:**

Clinical centrifuges are indispensable for separating mixtures and blood components in medical labs, blood banks, and hospitals. Popular brands include Eppendorf, Beckman Coulter, and Sartorius.

8. **Clinical Laboratory Incubators:**

Incubators are essential for cell and tissue culture growth in medical laboratories. Popular brands include PHCbi, Binder, and Thermo Fisher Scientific.

9. **Autoclaves & Steam Sterilizers:**

Autoclaves are vital for disinfecting and sterilizing medical and lab equipment. Popular brands include Thermo Fisher Scientific, Precision Custom Components, and Keller Technology Corp.

10. **Cell Counters:**

Cell counters are crucial for medical diagnoses, cell therapy, and microorganism research. Popular brands include MilliporeSigma, Beckman Coulter, and Logos Biosystems.

11. **Microplate Readers:**

Microplate readers are commonly found in medical labs, aiding in detecting biological, chemical, or physical signals in samples. Popular brands include Analytik Jena, Tecan, and BioTek Instruments.

12. **PCR Machines:**

PCR machines are cost-effective tools used for DNA and RNA amplification, helping with medical diagnoses, genetic disease detection, and pathogen identification. Popular brands include Bio-Rad Laboratories, Thermo Fisher Scientific, and QIAGEN.

13. **Liquid Handling Systems:**

Liquid handling systems are crucial for automating the precise dispensing and handling of liquids in a laboratory setting. These systems enhance accuracy and efficiency, especially in tasks like DNA extraction, sample dilution, and assay preparation. Popular brands in this category include Gilson, Eppendorf, and Hamilton Robotics.

14. **Flow Cytometers:**

Flow cytometers are instrumental in analyzing and sorting cells based on their physical and chemical characteristics. They are widely used in immunology, hematology, and oncology research, allowing for the identification of specific cell types. Popular brands include BD Biosciences, Beckman Coulter, and Sony Biotechnology.

Academic Lab -

15. **Digital Microscopes:**

Digital microscopes have revolutionized the way researchers and medical professionals observe and document microscopic specimens. They offer advanced imaging capabilities, allowing for real-time sharing of images and data. Prominent brands in the digital microscopy field include Olympus, Leica Microsystems, and Nikon.

16. **Bunsen Burner-**

This apparatus produces a single open flame and it is used for heating and sterilization purposes in the various experiments conducted in labs. A laboratory often needs a lot of things heated or boiled, and a bunsen burner was tailor-made for this purpose. It runs on standard LPG fuel and can reach a fairly respectable temperature, unlike a spirit lamp.

17. **Weighing Machine**:

When we perform experiments in the laboratories, we deal with very small quantities of reagents usually in the units of micro or mini grams. With a general physical balance, it is tough to get the desired and exact amounts of the reagents and so these weighing machines come into the picture. These machines help in measuring very small units of substances in terms of weight.

18. **Dealing with Physics Lab**

All kinds of Physics lab items starting from Ammeter, galvanometer to Laser spectrometer, Thermo EMF, Digital LCR/Q,Resistance Substitution Box etc.

19. **Agriculture Lab:**

We provide a wide range of used and refurbished agricultural testing equipment that is used to measure the nutrient content of soil using a variety of methodologies, and the digital equipment also recommends crop-specific fertiliser doses for crops based on the results of the tests. The equipment is available in a variety of sizes, allowing it to be utilised in numerous industries and by a variety of stakeholders. Here are the most commonly used equipment: Balances, pH Meter, Biological Hoods, Microscopes, Microtomes, Spectrophotometer ,Glasswares letc.

- ***Supply of Surgical equipments*** *- Categories of Surgical Instruments we deal in*

1. **Cutting and Dissecting Instruments**:
   - **Scalpels**: Sharp knives used for making incisions.
   - **Scissors**: Used for cutting tissue, sutures, or other materials.
   - **Rongeurs**: Used for cutting and shaping bone.
   - **Curettes**: Scraping instruments used to remove tissue or debris.
2. **Grasping and Holding Instruments**:
   - **Forceps**: Tweezer-like instruments for grasping and holding tissues or objects.
   - **Clamps**: Used to hold tissues or vessels. Hemostats are a common type used to control bleeding.
   - **Needle Holders**: Used to hold a needle during suturing.
3. **Retracting Instruments**:
   - **Retractors**: Used to hold back tissue or organs to expose the surgical area.
   - **Hooks**: Used to hold tissue back.
4. **Suturing Instruments**:
   - **Needles**: Used with sutures to close wounds or surgical incisions.
   - **Staplers**: Used to close wounds with staples.
5. **Suctioning and Aspirating Instruments**:
   - **Suction devices**: Used to remove blood or other fluids from the surgical area.
   - **Cannulas**: Hollow tubes used to aspirate fluids.
6. **Dilating and Probing Instruments**:
   - **Dilators**: Used to widen or open structures, such as blood vessels.
   - **Probes**: Used to explore or investigate a wound or body cavity.
7. **Energy-Based Instruments**:
   - **Electrosurgical units**: Used to cut tissue or stop bleeding using electrical current.
   - **Lasers**: Used for precise cutting or ablation.
8. **Miscellaneous Instruments**:
   - **Sponges**: Used to absorb blood and fluids.
   - **Surgical drapes**: Sterile cloths used to cover the patient and create a sterile field.

We do supply surgical instruments with poplular brands like Johnson & Johnson, Forgesy, BOS Medicare,Mediguard,ALIS , THERMOCISION, Miconvey, Abbott Laboratories,ETHICON etc.

- ***Supply of Nursing accessories*** – Deal in Community health bag(various sizes), Midwifey Health kit, Environmental Sanitation, Community health models, Nursing models etc.

- ***Supply of Hospital Chemical***- Hospital chemicals are a broad category of substances used in healthcare settings for various purposes, including cleaning, disinfection, sterilization, diagnostics, treatment, and laboratory work. These chemicals are crucial for maintaining a sterile environment, ensuring patient safety, and aiding in medical procedures. Here's an overview of the types of chemicals commonly found in hospitals:

1. **Disinfectants and Antiseptics:**

Alcohols: Such as ethanol and isopropyl alcohol, used for skin antisepsis and surface disinfection.
Chlorine Compounds: Sodium hypochlorite (bleach) is commonly used to disinfect surfaces and equipment.
Hydrogen Peroxide: Used for wound cleaning and as a disinfectant for surfaces and instruments.
Quaternary Ammonium Compounds (Quats): Used for surface disinfection.
Iodophors: Such as povidone-iodine, used for skin disinfection and wound care.

2. **Sterilants:**

Ethylene Oxide: A gas used to sterilize medical devices that cannot withstand high temperatures.
Glutaraldehyde: Used for high-level disinfection and sterilization of medical instruments.
Peracetic Acid: A chemical sterilant used in sterilizing medical and surgical instruments.
Steam Sterilization Chemicals: Chemicals that assist in the process of steam sterilization, often used in autoclaves.

3. **Radiographic Chemicals:**

Contrast Media: Chemicals like iodine-based agents used in imaging to enhance the visibility of structures.
Film Developers and Fixers: Used in processing radiographic films.

4. **Waste Management Chemicals:**

Chemical Neutralizers: Used to treat hazardous waste before disposal.
Sharps Disposal Chemicals: Used in the treatment and neutralization of sharps and other biohazardous materials.

- ***Supply of Office and Computer Stationary*** – We also equipped in dealing with all the Office stationary ranging from Back Office till Computer accessories , egonomics, Tech Stationary, CCTV Camera Installations & services etc..

Our endeavor is to provide excellent quality products and services at competitive prices, and hence, to be a one stop shop for the healthcare and academic industry.

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