



BioResource

B I O T E C H

**An established Solution provider for products and services in
Life sciences, Healthcare and Industrial segments
under a single roof.**



Product Categories

Part A: Life Sciences

Section 1: Molecular Biology

Section 2: Proteomics

Section 3: Cell biology

Section 4: Microbiology

Section 5: Plant Tissue Culture

Section 6: Animal Tissue Culture

Section 7: Immunology

Section 8: Apoptosis

Section 9: Stem cell research

Section 10: Epigenetics

Section 11: Immunohistochemistry

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Mass production

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Introduction



BioResource Biotech Pvt. Ltd.

BioResource Biotech Pvt. Ltd. an established Marketing & Distribution Company started in 2002. The Company offers complete solutions for reagents and consumables in the field of life Sciences, Healthcare, Pharmaceuticals, Agriculture, Veterinary science, Food industries, Chemical science etc.



BioSphere Life Sciences Pvt. Ltd.

A group company of BioResource established in 2010. The Company is totally into the Marketing & distribution of table top equipments, instruments in the field of life sciences, agriculture, defence, chemical, Petrochemical, wineries, food, Automobile, cement, and cosmetics industries. We expertise in installation, demonstration, application, maintenance and further service support through Annual Maintenance contract to our valued customers.



Aavanira Biotech Pvt. Ltd.

Aavanira Biotech Pvt. Ltd. A group company of BioResource established in 2010. The company has a prodigious presence in the verticals of environment, food and pharmaceutical testing. Also focuses on testing, product development and contract research in biology, chemistry, Microbiology, Genetic engineering & Biotechnology.



ABsource Biologics Pvt. Ltd.

ABsource Biologics Pvt. Ltd. a group company of BioResource established in the year 2014. The company focuses on indigenously developed DVS cultures and other related products to be used in Dairy industry for manufacturing of milk products (Curd, Cheese, buttermilk) and several non dairy products. The significance of such products lies in that they are being completely developed indigenously and minimizes the dependency of Indian industry on imported brands which supplies such cultures.



BioResource Healthcare

We includes, complete range of top quality instruments, equipments and consumables for radiology, cardiology, gynecology, molecular diagnostic and general medical etc. We expertise in installation, demonstration, application, maintenance and further service support through Annual Maintenance contract to our valued customers.

Part A: Life Science



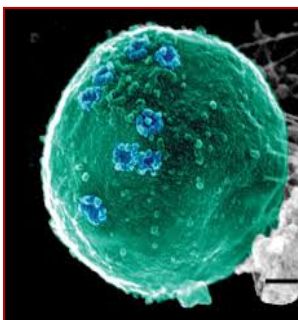
Section 1: Molecular Biology

- **DNA isolation /Extraction:** Genomic DNA, Mitochondrial DNA Kits.
- **RNA isolation /Extraction:** Total RNA, mRNA RNA, miRNA, siRNA RNA Kits
- **Plasmid isolation /Extraction:** Molecular grade Plasmid, Transfection Grade Plasmid, Endo Free Plasmid.
- **Nucleic Acid Electrophoresis:** Agarose, Loading Buffer and Tracking Dyes, Markers and Ladders, Nucleic Acid Gel Stains.
- **DNA Amplification:** Master mixes, Taq Polymerases, dNTPs, RNase Free water & MgCl₂, Primers.
- **DNA Clean up Sample Technologies:** Gel extraction, PCR purification, Nucleotide Removal, Enzymatic reaction Clean up, Dye Terminator removal.
- **Reverse Transcription:** Reverse Transcription Enzymes, cDNA Synthesis Kit.
- **Cloning and Expression:** Cloning kits, Molecular Weight Marker, Competent cells, Vectors, Modifying enzymes, Restriction Enzymes, Ligation Enzymes, Cloning Chemicals, Nucleases & Inhibitors, and Antibiotics.
- **RT PCR:** Syber Green based detection kits, Probe based detection kits, Custom Oligos and Probes, Multiplex RT-PCR kits, HRM Analysis, Real -Time PCR Reagents
- **Mutagenesis:** Site directed mutagenesis kits; Multi Site directed mutagenesis kits and Random Mutagenesis kits.
- **Transfection assay technologies:** siRNA and mi RNA Transfection, mRNA Transfection and DNA Transfection.
- **Nucleic Acid Labeling and Detection:** DNA 3' and RNA 3' End Biotinylation Kit, RNA 3' End Desthiobiotinylation Kit, LightShift Chemiluminescent RNA EMSA, EMSA Kit and Chemiluminescent Nucleic Acid Detection Module, Total DNA, Residual DNA Detection System and DNA detection Labeling kit.
- **Nucleic Acid Analysis (Southern & Northern Blotting):** Blotting Kits & Reagents, Nitrocellulose Membranes, Nylon Membranes, Hybridization and Solutions & Buffer.
- **PCR Arrays**
- **Biochemicals**
- **Molecular biology Buffer**
- **RNAi and miRNA Assay Technologies:** predesigned siRNA, Custom siRNA sets, RNAi Controls and miRNA Kits, PCR controls, Inhibitors.
- **Next Gene Generation Sequencing:** Purification Kits, Sample Enrichments Kits, Library Preparations and Data Analysis Kits.
- **Karyotyping:** FISH Probes, Reagents and Media.



Section 2: Proteomics

- **Isolate & Purify Proteins:** Protein Expression Vectors, Cell Lysis and Protein Extraction Columns, Affinity Purification Columns, Immunoprecipitation, Dialysis and Desalting Columns
- **Detect & Measure Proteins**
Protein Assays
Electrophoresis: Acrylamide, Protein Standards and Markers, Buffers & Reagents, Precast gels.
Staining: Comassive blue Staining, Silver Staining and Fluorescent Protein Staining.
Western Blotting: Membranes, Blotting Kits, Buffers & Reagents, Molecular Weight Markers, Autoradiography Cassettes, autoradiography fixer/replenisher/ developer and Hyper film ECL.
ELISA Kits: Direct ELISA, Indirect ELISA and Sandwich ELISA.
Antibodies: Primary Antibodies, Secondary Antibodies, Antibody Purification and Antibody Labelling.
Mass Spectrometry and HPLC: Columns, Solvents and Standards.
- **Label & Link Proteins:** Proteins Crosslinkers, Modifying Reagents for Amino Acids, Fluorescent Labeling kits, PEGylation reagents and Biotinylation kits and reagents.
- **Cell Separation:** Magnetic Particle Separation.
- **Crystallization:** Blocks, Tubes, Suites, Sealing tapes, Foils and μ Plates.



Section 3: Cell Biology

- **Sera & Media:** Sera, Serum- free, Growth Factors, Speciality Media, Media Supplements & Reagents, Contamination Control, Cell Isolation, Balanced Salt, Antibiotics.
- **Cell Damage & Oxidative Stress:** - Antibodies, Antioxidants, and Assay kits, Enzymes, Inhibitors, Activators and other Related Products.
- **Cell Fractionation Kits** - For Cell surface proteins, cytosol, Mammalian cell, Membrane protein, Microsomes and mitochondria etc.
- **Cell Health and Metabolism:** - ADME Assays, Apoptosis Assay, Cell Viability Assay, Cytotoxicity Assay, Toxicity Pathway Analysis, Oxidative Stress Assays, Metabolism Assay, Mitochondrial Assays.
- **Signal Transduction:** - Signal transduction Antibodies, Assays, cAMP/cGMP and protein kinases.
- **Cell Signalling:** -AMP Detection System, GPCR Assays, Growth Factors, Histone Deacetylase Assays, Kinase Assay, Cell Signaling Antibodies, Protein Kinase Inhibitors, Activators and Substrates, Protein Phosphatases and Phosphatase Assay.

- **Cell-based Assays:** - Cell Cycle Assay Kit, Cell Migration and Invasion Assay Kits, Cholesterol Detection Kit.
- **Cell Cycle:** -Cell Viability Reagents, Cell Cycle Analysis, detection and ELISA Kits, Inhibitors, Antibodies
- **Cell Proliferation, Viability & Cytotoxicity:** - ADP & ATP Assay Kits, Bioluminescence Cytotoxicity Assay Kits, Cell Proliferation Antibodies, Cell Proliferation Assay Kits, Colorimetric Cell Proliferation Assays, Cytotoxicity Assays, Fluorescence Cell Viability Assays, Fluorometric Cell Proliferation Assays, Live-Dead Cell Staining Kits, Senescence Detection Kits.



Section 4: Microbiology

- **Microbial Cultures**
- **Microbial Media:** - Nutrient media, Minimal media, Selective media, Differential media, Transport media.
- **Pathogen detection Kits**
- **Microbial Quantification and identification Kits**
- **Microbiological Reagents**
- **Microbiology Separation Products:** - Membrane Filters, SLT Membranes, Filtration Systems, Multiwell Plates, pH papers, membrane filtration accessories, AA Disc, MBS-I.



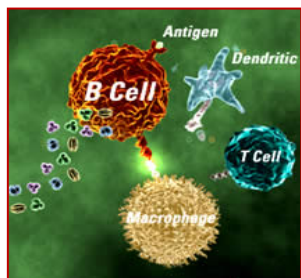
Section 5: Plant Tissue Culture

- **Plant Biochemicals & Reagents:** Macro elements, Micro Elements, Organic Supplements, Gelling Agents, Plant Growth Regulators, Antibiotics.
- **Plant Growth Media:** Murashige & Skoog Formulations, Gamborg's B5 Media Formulation, Other Plant Media.
- **Plant Media kits and Tools:** Plant Con Culture Containers, Plant Nucleic Acid Isolation kits.
- **Cell Culture Testing Paper:** Filter papers especially for Plant growth, FTA cards, Seed testing paper.



Section 6: Animal Tissue Culture

- **Cell Culture Consumables:** Multiwell Plates, Pipetting aids, Tissue Culture Flask, Assay Plates, Petri plates and Vessels.
- **Cell Culture Kits**
- **Cell Culture Reagents**
- **Cell Culture tested chemicals**
- **Cell Culture Media:** Serum Free Media, Classical media, Speciality Media, Stem cell and Media, Cytogenetic Products, Primary cells, Sera



Section 7: Immunobiology

- **Antibodies:** Primary Antibodies, Secondary Antibodies, Monoclonal Antibodies, Polyclonal Antibodies and Biotinylated Antibodies.
- **Reagents:** Detection Reagents and Supplementary Reagents.
- ELISA kits, Purified Antigens, Lymphocyte Separation Medium, Immunoregulatory proteins, Interleukins, CSFs, Growth Factors, Chemokines, Interferons, Adipokines, TGF β /BMP Proteins, Neurotrophins, FGFs, TNF Ligands/Receptors, Defensins.



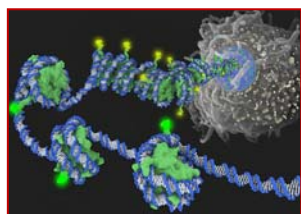
Section 8: Apoptosis

- **Apoptosis Kits, Apoptosis Arrays, Apoptosis Assays, Inducer and Caspases, siRNA Apoptosis Vectors, Substrates and Protein, Enzymes & Peptide.**
- **Inhibitors:** Caspases Inhibitors, Necroptosis inhibitor, Non Caspase inhibitors.



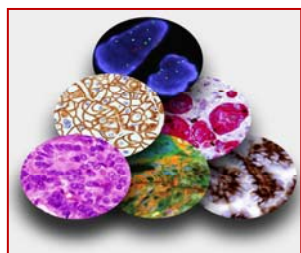
Section 9: Stem cell Research

Stem cell culture media, Specialized cell culture media, Stem cell detection kits, Growth Factors, Chemokines & Cytokines, Stem Cell Fate Regulators, Mammalian cloning products, Small molecules, Neuronal Transdifferentiation Modulators, antibodies and reagents.



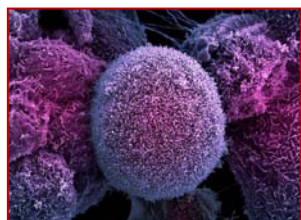
Section 10: Epigenetic

Bisulfite Conversion and clean up kits, Whole Bisulfite Kits, DNA Methylation Kits, DNA Controls, PCR & QPCR Arrays, Methylation-Specific Restriction Enzymes, Luciferase-Based Methylation Detection Kits, Transfection Reagents, Cell Based and Biochemical Assay and Pyrosequencing.



Section 11: Immunohistochemistry (IHC)

IHC related Kits (Detection, assay and substrate kit), Reagents, Chemicals, Antigen Retrieval Solutions, Buffer and diluents, Substrate and Chromogens, Negative control Sera, Antibodies, Antibodies labeling and Immunoassay Stabilizers, Organic Solvents, Stains, Suppressor, Probes.



Section 12: Cancer Research

Tumor marker, Antibodies, ELISA kits, PCR arrays, Target enrichments kits/Sequencing Panels, Fish Probes, Microarray cancer panels, and Cancerous cell lines.



Section 13: Veterinary Research

- **Ruminant Testing:** - Mycobacterium avium subsp. paratuberculosis (MAP), Bovine Herpes Virus 1 (BHV1), Bluetongue virus (BTV), Bovine Viral Diarrhea Virus (BVDV), Schmallenberg Virus (SBV), cattle type MAP Ab.
- **Swine Testing:** - Brachyspira hyodysenteriae, Classical Swine Fever Virus (CSFV), Influenza A Virus, pig type Toxoplasma Ab, Porcine Reproductive and Respiratory Syndrome Virus (PRRSV), Porcine Epidemic Diarrhea Virus and Transmissible Gastroenteritis Virus (PEDV/TGEV), pig type Salmonella Ab, pig type Trichinella Ab, pig type Yersinia Ab.
- **Poultry Testing:** - flock type IBV Ab, flock type IBDV Ab, Influenza A Virus (RT-PCR), Mycoplasma gallisepticum and Mycoplasma synoviae (PCR), flock type Mycoplasma Ms Ab, flock type NDV Ab
- **Equine Testing:** - Taylorella equigenitalis, Taylorella equigenitalis, Klebsiella pneumoniae, and Pseudomonas aeruginosa.



Section 14: Food Research

- **Food Borne Pathogen detection Kits:** Automated pathogen detection, Manual Pathogen Detection, Validated Pathogen Detection, **Legionella** spp. Detection.
- DNA isolation kits from food sample
- PCR assay based screening kits



Section 15: Forensic Research

- **Genetic Identity:** Sample Preparation for Genetic Identity, Short tandem repeat (STR) Analysis for Forensic and Paternity Testing, DNA Quantitation for Genetic Identity, Sex Identification Systems, Biochemical Reagents.
- **Forensic DNA Extraction Kit from Human identity and reference samples:** Sample type – Buccal Swabs, Blood, Blood Cards, and Saliva.
- **DNA from Forensic Casework and Crime-Scene Sample:** Bone, Chewing gum, Cigarette butts, Fingerprints, Gastric Contents, Hair, Nail Scrapings, Saliva, Sexual assault samples, Shed Skin cells, Soil, Stain on Fabric, Stamps, Stool, Surface and contract Swabs, Teeth, Human Tissues.
- **Separation Products:** Specimen Collection Paper, FTA Cards and Clone Saver Cards.
- Human Identification PCR Kit.



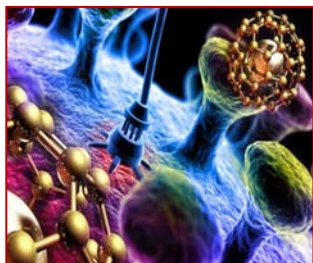
Section 16: Drug Discovery

GPCR Assays, Protease Assays, ADMET Assays, Apoptosis Assays, Bioassays for Biologics, Cell Viability Assays, Cytotoxicity, Assays, Oxidative Stress Assays, Metabolism Assays, Histone Deacetylase Assays, Nuclear Receptor Pathway Tools, Kinase Assays.



Section 17: Toxicology

- Cell Analysis assay Kits
- Labels & Labelling kits
- Supplements
- PCR arrays



Section 18: Nanobiotechnology

- Scanning Probes
- Chemicals
- Fluorescent Nanocrystals Fullerenes
- Carbon Nanotubes
- Accessories



Section 19: Biochemicals, Chemical & Reagents

- Buffer chemicals
- Solvents, Reagents
- Stains
- Dyes
- Detergents
- Modulators
- Inhibitors
- Analytical chemicals and Radiochemical



Section 20: Buffers

- **Protein Electrophoresis:** - TG Tris-Glycine, TGS Tris-Glycine-SDS, SDS Sodium Dodecyl Sulfate.
- **Nucleic Acid Electrophoresis:** -TBE Tris-Borate-EDTA, TAE Tris-Acetate-EDTA, MOPS.
- **Hybridization of Nucleic Acid:** - SSPE Saline-Sodium Phosphate-EDTA, SSC Saline-Sodium Citrate.
- **Buffers for Life Science Application:** - EDTA, HEPES, PBS, STET-Sodium Chloride-Tris-EDTA-Triton, STE Sodium Chloride-Tris-EDTA, TBS Tris-Buffered Saline, TE Tris-EDTA, Tris-Buffer, Tris Hydrochloride, Tris Base.
- **Readymade buffer**



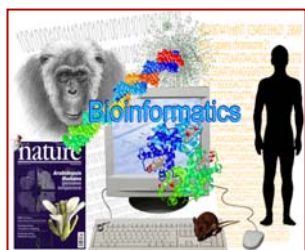
Section 21: Separation/Filtration Products

- **Filter papers and Membrane:** - Cellulose filter papers, Glass Microfiber filter papers, Extraction Thimbles, Laboratory membranes filters, Accessories, Diagnostic membranes.
- **Specimen Collection Cards & Devices:** - Neonatal & Population Screening Cards, FTA Cards, DMPK (Drug Metabolism & Pharma kinetics) Cards.
- **Filtration Devices for Sample Preparation:** - Syringe Filters, Syringe less Filters, Vacuum Protection Filters, Inline Filters, Capsule Filters, Venting Filters.
- **Application Speciality Specific products:** -Seed testing papers, Shark Skin Papers, Filter paper for textile industry, filter paper for malt & beverage industry, ignition strength papers, Antibiotic Assay (AA) Discs.
- **General Lab products:** - Surface Protectors, Lens Cleaning tissue and pH indicators & test paper.
- **Cellulose Media.**



Section 22: Lab ware and Accessories

Aspirators, Beakers, Bags, Bottles, Carboys, Conical Tubes, Culture flask, Culture plates, Culture Vessels, Culture Chambers, Culture tubes, Cylinders Centrifuge tubes, Cryo Vial, Cryo Tubes, Cryo Containers, Cryo Racks, Cryo Boxes, Cryobank Vial, Cell Scrapers, Disposable, Dispensers, Desiccators, Filter ware, Funnels, Gloves, Labtop coolers, Micro Centrifuge tubes, Microplate, Multiwell plates, Microplate accessories, Petri plates Pipettes (Single Channel & Multichannel), Pipette controller, Pipette Stand, Pipette Washer, Pipette tips, Safety shields, Serological Pipettes, Storage Boxes, Staining Boxes, Storage Container, Tubing, Tubing Connectors, Wash Bottles, Racks and Stand, Vials etc.



Section 23: Bioinformatics Softwares

Software for next-generation sequencing and structural biology, Metagenomics analysis software, DNA Sequence Analysis Software, RNA Sequence Analysis Software etc.

Section 24: Life Science Instruments



Section 1: Molecular Biology

1. PCR
2. Real Time- PCR
3. Bioanalyzer
4. Microarray Hybridization Oven & Scanner
5. Akta Start
6. Off gel Fractionator
7. Tape Station
8. Tissue Lyser
9. Qiacube
10. QIAxtractor
11. QIASymphony
12. QIAgility
13. Rotor-Gene Q
14. QIAxcel
15. PyroMark Q24
16. QIAxpert
17. BLU-V System
18. Electrophoresis System
19. Power supplies
20. Incubator Shaker
21. Vortex
22. Dry block Heater
23. Water bath
24. Mini Incubator
25. **Pipette:** Single & Multi channel
26. **Electronic pipette:** Single & Multi channel
27. Rotator
28. **Centrifuges:** Mini, Micro, High-speed and Ultracentrifuge.

Section 2: Cell Biology

1. Microscope
2. Cell Counter
3. Vi Cell
4. Ploidy Analyzer
5. Flow Cytometry

Section 3: IHC

1. Antigen Retriever System
2. Microtome
3. Cryostat
4. Tissue Processor
5. Autostainer

Section 4: Particle Counters

1. **Air Particle Counters:** Portable, Handheld, Air & Remote Air Particle Counters.
2. **Liquid Particle Counters:** Lab, Portable & Online Liquid Particle Counters.
3. Particle Size Analysis
4. Vi cell

Section 5: Analytical

1. Lab Balance (Precision, Analytical, Semi micro and micro balances)
2. Industrial Balance(Flame proof and Non flame proof)
3. Crane Scale and weigh bridge
4. Densitometer
5. Refractometer
6. Melting Point apparatus
7. pH Meter
8. Moisture Analyzer
9. KF Titrator (Volumetric & Coulometric)
10. Dispenser
11. Sodium Analyzer
12. Thermal Gravimetric Analysis (TGA)
13. Differential scanning Calorimetry (DSC)
14. Dropping Point.
15. Portable Spectrophotometer
16. Portable turbidity meter
17. Titrator
18. On Line Sensor & Analyzer
19. Total Package Analyzer
20. Weight Bridge
21. Crane & Palate Scale
22. Oven
23. CO2 Incubator

Part B: Custom Services

Section 1: Genomics



- **DNA sequencing Services:** Single & Double Pass Sequencing, Purification & Sequencing, PCR & Sequencing and Plasmid DNA isolation & Sequencing.
- **Primer walking Services:** Single strand, Single strand for AT or GC rich sequence, Double strand and Double strand for AT or GC rich sequence
- **Extra – chromosomal DNA / Plasmid research services:** Isolation of cloned plasmid from bacterial culture, native wild plasmid DNA from bacterial culture, Restriction mapping of native wild plasmid and Sequencing of Native bacterial plasmid.
- **SSCP Analysis:** Primer design and Analysis.
- **DNA cloning services:** PCR amplification & cloning of Product upto 500 bp, 1000 bp, 1500 bp, 2000 bp and 2500 bp, Full length cDNA cloning - Gene synthesis & Cloning.
- **Identification services:** Bacterial Identification, Fungal/Yeast Identification, Algal Identification, Actinomycetes Identification, Plant Identification, Archaeobacteria Identification and Fish Identification
- Qualitative & Quantitative analysis of microorganisms
- Microbial community analysis
- **DNA Fingerprinting services:** RAPD analysis and AFLP analysis
- **Molecular marker development:** ARMS PCR marker and SCAR PCR marker
- **Electrophoresis services:** DNA/RNA/Plasmid/PCR product on Agarose gel and SDS page of isolated or Crude protein
- **RT-PCR service:** Gene expression, SNP and Allelic discrimination, Mutation study, Relative quantification based on housekeeping gene, Copy no. of transgene
- **Microbial Fermentation technology and Plant Molecular Biology services**
- **Resistance study**
- **Next gene sequencing:** De novo Whole Genome Sequencing, Transcriptome analysis, Methylation Analysis, SNP resequencing, ChIP Sequencing, Comparative Sequencing of Bacterial & Fungal Genomes
Metagenomics Sequencing, Bioinformatics & Data Analysis
- **Microarray services:** Human Gene Expression Microarray, Micro organism Specific Gene Expression Microarray, Antibody Microarray, Chromosomal Microarray.

Section 2: Proteomics



Peptide Modifications, Peptide Synthesis, Labeling, Conjugation, Protein Cloning, Expression, Purifications, Fast Protein Liquid Chromatography Purifications, Protein Identification by MS, N-terminal sequencing, Amino Acid analysis, 2D gel electrophoresis, Protein Quantitation by iTRAQ, Proteome Mapping, Phosphorylation detection by Mass Spectrometry.



Section 3: Environmental Services

Water Analysis, Soil Analysis, Air Monitoring, Stack Monitoring, Sludge Testing, Environmental Assessment, Biological Testing.



Section 4: Food Services

Milk & Milk Products, Canteen food, Alcoholic Beverages, Oil and Fats, Sea Foods, Sugar Syrup & Honey, Compound Asafoetida & Asafoetida.



Section 5: Pharmaceuticals Services

Bacterial Endotoxins testing, Bioburden testing: Bioburden testing and testing validation of the products, HVAC system validation: As per ISO 14644 requirements: The Particle counting, DOP testing, Air velocity, Air Velocity test, Particle testing, Microbiological assessment, Microbiological Monitoring of Clean room Sterility testing: Sterility testing and testing validation.

Part C: Industrial Division



Section1: Chemical R & D/QC/QA

- **Solvents:** ACS and Reagent Grade Solvents, Anhydrous Solvents, Biotech Solvents, GC Solvents, Histological Solvents, HPLC/UHPLC Solvents, Multi-Compendia, Semiconductor Solvents, Spectroscopy Solvents (IR, NMR, UV/Vis), LC- MS Solvents.
- **Catalysis & Inorganic Chemistry:** Material Metathesis Catalysts, Cross-Coupling C-H Activation, Non-Precious Metal Catalysis, Organocatalysis, Photocatalysis, A-Z Chemicals.
- **Monomers:** Acrylic Monomers, Alcohols, Ally Monomers, Amine Monomers, Anhydride Monomers, Biodegradable Polymer Monomers, Bisphenol and Sulfonyldiphenol Monomers, Carboxylic Acid Monomers, Epoxide Monomers, Isocyanate Monomers, Norbornene Monomers, Silicone Monomers, Styrene and Functionalized Styrene Monomers, Vinyl Esters, Vinyl Ethers, Vinyl Halides, Amines, Amides, and Other Vinyl Monomers.
- **Reagents:** LC-MS, GC Derivatization, TLC, NMR, Routine organic & inorganic, Ion Pair, Derivatization Reagents HPLC, HPLC Reagents. **Organometallic Reagents** (SnAP Reagents Grignard Reagents, Rieke and Organozinc Reagents, Organosilicon reagents, Organotin reagents, Organo germanium, Organo lead Organo lithium, Organo mercury, Organo aluminum, and Organo copper etc.
- **Adsorbents, Filter Aids and Drying Agents:** Activated Charcoal, Aluminum Oxide, Ascarite, Diatomaceous Earth, Florisil, Molecular Sieves, Other Drying Agents, TLC Adsorbents.



Section2: Analytical Standard

Amino Acid, Peptide & Protein Standards, Biomarkers and Metabolomics Standards - Carbohydrate Standards, Elemental, Ions and Water (Karl Fischer) Standards, Food and Cosmetic Component Standards, Lipids - FA/FAME/Oils/Sterols Standards , Microbiological Standards, Matrix Materials Standards, Organic Pollutant Standards, Pesticides & Metabolites Standards, Pharmaceuticals, Illicit Drugs & Alcohol, Petrochemical Standards, Pharmacopeia & Metrological Institutes Standards, Physical Properties Standards, Phytochemical, Vitamin, NMR Standards and Additional Standards.



Section 3: Pharma, Food & Beverage

- **Sample Preparation & Separation** – HPLC, GC, Analytical solvents & reagents.
- **Testing on developed products** – Sample preparation, Chromatography application, analytical solvents & reagents, Derivatization reagents, analytical standards & CRMs, Microbiology, water determination.
- **Product specification** - Separation by HPLC & GC, Analytical solvents & reagents, analytical standards & CRMs, Microbiology, water determination.
- **R & D develops and produces** – Enzyme, Carbohydrates, Lipids, antioxidants, Vitamins, Solvents, reagents and F&F ingredients.
- **Separation Products (QA/QC)** : - Cellulose filter papers & membranes, Special Filter Paper for malt and Beer, Membrane filters, Membrane filtration accessories, Glass Microfiber filters, Capsule filters, Weighing boats, Syringe filters, Syringe less Filters Chromatography paper, Anodisc Inorganic Membranes.



Section 4: Separation/Filtration Products

- **Environmental monitoring:** Cellulose paper, Cellulose membrane, glass microfiber filter, Air monitoring membrane, Extraction thimbles, membrane filters, PTFE membranes, Cellulose Nitrate membrane, Nylon membrane, membrane filtration, membrane filtration accessories, HEPA –VENT, VACU – GUARD.
- **Cement /steel/Mining Industry:** Cellulose filter paper, glass microfiber filters, Extraction thimbles, Air monitoring membrane.
- **Air Monitoring:** Glass microfiber filters, Quartz, Air monitoring membrane, Extraction thimbles, and PTFE membranes.
- **Water analysis:** Cellulose filter paper, Glass microfiber filters, Air monitoring membrane, Nylon and Nitrocellulose membrane, membrane filter holders, Syringe filters, Capsule filters, MBS-I.
- **Tobacco industry:** Ignition Strength Testing paper.
- **Textile industry:** Speciality filter paper for textile industry Vat dyes.
- **Chemical process industries:** Cellulose filter paper.



Section 5: Industrial Laboratory Instruments

Dry Block Heaters, DuraTap, Furnace, Heating Mantle, Homogenizer, Hot Plate, Hot Plate Stirrer, Incubator, Magnetic Stir Bar, Oven, Pumps, Refrigerator / Freezer, Rotary Evaporators, Shaker / Mixer / Rocker, Spectrophotometers, Stirrers, Thermal Cycler, Ultrasonic Cleaners, Water Bath, Lab Balances (Micro, Precision & Analytical), Densitometer, Refractometer, Melting Point Apparatus, pH Meter (Bench top & Portable, Pen Type), Moisture Analyzer, KF Titrator (Volumetric & Colorimetric), Dispensers, Sodium Analyzer, Thermal Gravimetric Analysis(TGA), Diff. Scanning Calorimeter, Dropping point, Desiccator (Glass/Plastic), Potentiometer, FTIR & UV Apparatus, Quantum & Sequencer, COD Digester, NMR, LCMS, GC, HPLC, ICP/AAS, lab reactors, Rota meter, Turbidity meter, PCR.

Part D: Healthcare division

Section 1: Pathology

- **Clinical Chemistry:** Clinical Chemistry Analyzers, Electrolyte Analyzer
- **Haematology:** Haematology Analyzers
- **Immunology:** Chemiluminescence Immunoassay (CLIA) system, ELISA Plate Reader, ELISA Plate Washer
- **Karyotyping:** Software for chromosome analysis.

Section 2: Radiology

- Color Doppler
- X-Ray
- Black & white Ultrasound Machine
- Sony Thermal Printers
- Sony Monitors

Section 3: Cardiology

- Multipara Patients Monitors
- Color Doppler
- ECG Machine
- Defibrillator
- Printers (Color& B/W)

Section 4: General Healthcare Instruments

- Blood Warmer
- Ultrasound bone densitometer
- ETCO2 Monitors
- Pulse Oximeter
- Nebulizer
- Fetal Monitor
- Fetal Doppler
- Colposcopy Imaging System
- Oxygen Concentrator
- Anesthesia workstations
- Infusion pump
- Syringe pumps
- Jaundice Detector

Section 5: Veterinary

- Vet Patient Monitor
- Vet Haematology Analyzers
- Vet ELISA Plate Reader
- Vet ELISA Plate Washer
- Vet Chemistry Analyzer
- Vet Ultrasound Machine
- Vet ECG Machine

Section 6: In Vitro Fertilization

- Sperm Quality Analyzer
- CO2 Incubator

Section 7: Immuno Histochemistry

- Antigen Retriever System
- Microtome
- Cryostat
- Tissue Processor
- Autostainer

Section 8: Cytology

- Flow Cytometer
- Cell Counter
- Microscopes
- Printers for C.T., M.R.I. & X-Ray

Section 9: Molecular Diagnostic

- Real-Time PCR
- PCR
- Cyfox
- Centrifuge (mini, micro, ultra, high-speed)

Section 10: Separation Products

- **Molecular Diagnostic:** - FTA products, 903 Specimen Collection papers, Multiwell plates.
- **Diagnostic:** - Diagnostic Membrane, other diagnostic products.

Section 11: Accessories

Serological Pipettes, PCR Arrays, IVF Dishes, Cryo Tube for IVF, IVF Flask, ECG Rolls, Thermal Printers Rolls, Jelly, Kits etc. consumables, Bioreagents, buffers, Markers, Antibodies and all related products etc.

Turn Key Projects

We offer turn-key laboratory solutions including design, erection, and execution of the project. We also support in planning, implementation, setting up the full-fledged research laboratory. Project management, optimization of protocol, application support, and on-line technical support is also offered. In turnkey projects we work closely with the customers to provide efficient, effective and reliable services. Service support for Instruments/Equipments/Systems through installation, demonstration, maintenance, comprehensive AMCs (with Spare part) and Non Comprehensive AMCs (without Spare part) are offered through our service team.

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