

We promote science and
technology for the better life.

จำหน่ายสารเคมีและวัสดุอุปกรณ์สำหรับห้องปฏิบัติการวิทยาศาสตร์



"We are your Research Partner"



คิดถึงงานวิจัย คิดถึงสมาร์ทไซเอนซ์

- ☑ จำหน่ายสารเคมีและวัสดุอุปกรณ์ครบครัน
- ☑ สินค้ารับประกันคุณภาพ
- ☑ ราคาสินค้าดีที่สุด
- ☑ ได้รับสินค้ารวดเร็ว
- ☑ มีบริการให้คำปรึกษาทางเทคนิค



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Company Background



Smart Science Group Companies

was established in 2015. We are a distributor of life science and medical science research products. We provide the high-quality scientific products to assure that our customer will obtain the best possible scientific research solutions and services. Moreover, we have our sales and product specialist team who have the sufficient knowledge to understand customer requirements and fulfill them with the best possible solution. We have the mastering to provide more reasonable priced products to our customers without the sacrifice of quality.

We value the opportunity to assist our clients to deliver the new products and accomplish the research works and to build a long-term successful partner relationship.

Company Strategy

Our purpose : To promote science and technology for the better life

Our vision : One stop shop for all life science & medical science technology expertise

Our mission : To serve our clients as the most trusted partner and fully satisfaction

Our values : Customers, people, financial performance, sustainability, our partner

Chemical & Reagents

"A great choice for life science research"



Chemicals / Reagents



Microbiology



Cell & Molecular Biology



Liquid Handling



Cell Tissue Culture supplies



Protein & Enzyme research



Plant Tissue Culture



Lab Equipment



Lab Plasticware & Glassware

Our Partners

Glentham
LIFE SCIENCES

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BIO SYNTH
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FORMEDIUM
CREATING THE CULTURE FOR DISCOVERY



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Product Overview

Chemicals / Reagents



Product Name	Brand	Page
Amino Acids	Glenthams	4
Antibiotics	Glenthams, Goldbio, Bio Basic	4, 6, 14
APIs	Glenthams	4
Analytical Reagents	Qrec, RCI	20
Biochemicals	Glenthams, Goldbio	4, 6
Buffers	Glenthams, Goldbio, Qrec, Bio Basic	4, 6, 20, 20
Enzymes	Glenthams, Goldbio, Prospec, BIOSYNTH	4, 6, 18, 9
High Purity Solvents (LC-MS / HPLC)	Qrec, RCI	20
Inorganics	Glenthams	4-5
Raw Materials (IVD)	Glenthams	5
Solvents	Glenthams, Qrec, RCI	4, 20

Cell & Molecular Biology



Product Name	Brand	Page
DNA / RNA Extraction Kit	Biofact, Geneaid	12, 13
PCR Enzyme / RT-PCR	ABM, Biofact, Enzynomics	11, 12
Real-Time PCR	Biotium, ABM, Enzynomics	10, 11
DNA Electrophoresis	ABM, SBIO, Enzynomics	11, 8, 12
Gene Cloning / Vector	Goldbio, ABM, Enzynomics,	6, 11, 12
Restriction Enzyme	Enzynomics	12
Competent Cells (AG/BL21/ DH5/ DL39)	Goldbio	6
Cell Lines (Primary/ Immortalized Cells)	ABM	15
Cell Culture Medium / Sera	Caisson Lab, Bio Basic	16, 14
RNAi / miRNA	ABM	15
CRISPr / Cas9	ABM	15
Fluorescent Dye (Cell Stain)	Biotium	10
Flow cytometry	Biotium	10
Luciferase Assay Kits	Goldbio	6

Protein & Enzyme



Product Name	Brand	Page
Protein Extraction / Purification	Goldbio, ABM, Geneaid	6, 11, 13
Protein Electrophoresis	Glenthams, Goldbio, ABM	4, 6, 11
Western Blot Analysis	Glenthams, Goldbio, ABM	4, 6, 11
Primary / Secondary Antibodies	Abbkine, Boster	16, 15
Antibody & Protein Labeling Kits	Goldbio, Biotium	6, 10
Recombinant protein (Peptide)	PROSPEC	16
Cytokine / Growth Factor	PROSPEC	16
ELISA Kit	Abbkine, Boster	15
Enzymes	Glenthams, Goldbio, PROSPEC	5, 6, 18
Hormone	PROSPEC	16
VIRAL ANTIGENS / Natural Protein	PROSPEC	16

Microbiology



Product Name	Brand	Page
Dehydrated Culture Media	Formedium	17
Biological Media Bases	Formedium	17
DROP-OUT SUPPLEMENTS	Formedium	17
Microbiological Lab Consumables	Jet Biofil	28

Plant Tissue Culture



Product Name	Brand	Page
Plant Media (MS /Chu /Gamborg / WPM)	Phytotech	18
Plant Growth Regulators	Goldbio, Phytotech	6, 18
Carbohydrates	Phytotech, BIOSYNTH	18, 9
Amino Acids	Phytotech	18
Vitamins	Phytotech	18
Macronutrients / Micronutrients	Phytotech	18
Gelling Agent (Agar / Gellan Gum)	Goldbio, Phytotech	6, 18
Plant Preservative Mixture (PPM™)	Caisson Lab	16

Services



Product Name	Brand	Page
Oligo Synthesis (Primer)	Macrogen	7
Sequencing : standard, NGS	Macrogen	7
Gene Synthesis	Macrogen	7
Recombinant Protein Expression	Abbkine, Boster	15
Custom Antibody Production	Abbkine, Boster	15



Lab Plasticware & Glassware

Product Name	Brand	Page
Plastics ware		
Beakers	Glassco	31
Cell Tissue Culture Supply	Jet Biofil	28
Micro-centrifuge Tube	Jet Biofil, MTC Bio	28, 24
Cylinder	Glassco	31
ELISA Plate	Jet Biofil	28
Flask	Glassco	31
Microbiology Supply	Jet Biofil	28
Petri Dish	Glassco	31
Pipette Tip	WATSON	21
Serological Pipette	Jet Biofil	28
Rack, Box	Heathrow, MTC Bio	32, 24
Glass ware		
Beaker	Duran, Glassco	31
Bottle	Duran, Glassco	31
Burette	Duran, Glassco	31
Cylinder	Duran, Glassco	31
Desiccator	Duran, Glassco	31
Flask	Duran, Glassco	31
Petri Dish	Duran, Glassco	31
Test Tube	Duran, Glassco, MTC Bio	31, 24
Volumetric Pipette	Duran, Glassco	31
Microscope Slide	Heathrow	32
Paper		
Extraction Timber	Johnson	30
Filter Paper	Johnson	30
Membrane Filter	Biofact, Johnson, Finetech	12, 30, 26
pH Indicator Strip	Johnson	30
Syring Filters	Biofact, Johnson, Finetech	12, 30, 26
Test Strip	Johnson	30

Lab Equipment



Product Name	Brand	Page
Autoclave	CRYTE, Bioevokepeak	29, 27
Balance	RADWAG	29
Bio Safety Cabinet	CRYTE	29
Centrifuge	Benchmark, ONILAB, CRYTE, Heathrow, ELMI	22, 23, 29, 24, 25
Dispenser	ONILAB	23
Dry Bath (Heating Block)	Benchmark, ONILAB	22, 23
Electrophoresis system	Accuris, Cleaver, Bioevokepeak	22, 30, 27
Gel Documentation	UVITEC, Cleaver, Maestrogen	29, 30, 25
Homogenizers / Cell lysis	Benchmark	22
Hotplates & Stirrers	Benchmark, ONILAB, Heathrow	22, 23, 24
Incubators / Shaking Incubators	Benchmark, ONILAB, CRYTE	22, 23, 29
Immuno Analyzer	Micro Digital	29
Immuno Blotter	Cleaver	30
Moisture Analyzer	RADWAG	29
Nanodrop	Micro Digital, Jenway	29, 30
Oven	CRYTE, Bioevokepeak	29, 27
Pipette	WATSON, ONILAB, MTC Bio	21, 23, 24
PCR	Benchmark, PCR Max, MTC Bio	22, 29, 24
Power Supply	Accuris, Cleaver	28, 30
pH Meter / Conductivity Meter	APERA	30
Real Time PCR	PCR Max	29
Roller / Rockers and Rotators	Benchmark, ONILAB	22, 23
Rotary Evaporator	ONILAB	23
Shakers	Benchmark, ONILAB	22, 23
Spectrophotometer	Jenway	30
Sterilization	Benchmark, CRYTE	22, 29
Transluminator (UV / LED)	Cleaver, Maestrogen	30, 25
Vortex Mixture	Benchmark, ONILAB, Heathrow	22, 23, 24
Timer	Heathrow	24

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Glentham LIFE SCIENCES (UK)

Glentham Life Science is a leading supplier of fine chemicals, raw materials, reagents and life science products. Glentham provide the highest quality chemicals for research and production.

Serving Diagnostics, Research, Development and production worldwide

Fine Chemicals and Biochemicals

- Over 2,000 catalogue chemicals from UK stock
- Full quality and safety documentation
- Custom packaging
- Guaranteed stock levels, call-off order management



For all product information, please visit
www.glentham.com



Analytical Reagents

A comprehensive range of high quality organic and inorganic laboratory reagents, for use in analytical applications such as chromatography and titration. Key chemical products in this category include acids, bases, solvents, inorganics and other laboratory essentials.

Antibiotics

A wide range of common, specialist and rare antibiotics suitable for use in applications such as in vitro diagnostics, cell culture and pharmaceutical research. Key chemical products in this category include Kanamycin monosulfate salt, Pencillin G potassium salt and Streptomycin sulfate.

Amino Acids

A complete range of high quality amino acids, including a variety of L-, D- and DL- isomers. The products in this category are suitable for a wide range of applications, including peptide synthesis and cell culture media. Bestsellers include Arginine, Glycine and Tryptophan.

APIs

Our Active Pharmaceutical Ingredients are supplied for use in a variety of research areas, including drug discovery and cancer research. Generics, pharmacopoeia grade APIs, antibiotics and other pharmacologically active compounds can be found in this range.

Biochemicals

A comprehensive, combined list of chemicals and biochemicals from other key ranges, including amino acids, antibiotics and biological buffers. Additional products in this range include small bioactive molecules that are not found in our APIs range.

Buffers

A complete range of biological buffers such as ACES, HEPES, MOPS and TRIS are essential for the majority of our customers, who use this range of products for cell culture media, bioactive molecule stabilization and pH control. Ultrapure grades are available for many of these products.

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Glentham LIFE SCIENCES

Vitamins

High quality vitamins for in vitro diagnostics, nutrition research and cell biology applications. Some of our strongest biochemical products belong to this range, including Folic acid, Vitamin B12 and Vitamin C.

Detergents

Detergents and surfactants suitable for research, diagnostics and industrial applications. Key products from this range include Polysorbate 20, Polysorbate 80, Brij 35 (Laureth-23) and Cholic acid.

Enzymes

A range of high quality recombinant enzymes, including DNA polymerases, reverse transcriptases, DNA ligases and proteases. These are suitable for use in PCR, in vitro diagnostics and other analytical applications.

Nucleosides & Nucleotides

We offer nucleosides & nucleotides for pharmacology, cell biology and molecular biology applications. Key products include ADP, ATP disodium salt and 2'-Deoxyguanosine monohydrate.

Chitosan & Natural Polymers

This is our very popular and expanding range of natural polymers. Our strongest products include Chitin and Chitosan available with a range of viscosities, for laboratory and industrial use. Other key natural polymers include DEAE-Cellulose and a range of Dextran products.

Dyes & Stains

A range of high quality dyes, stains and indicators suitable for haematology and histology (nucleic acids and proteins), in vitro diagnostics, general laboratory use (pH indication) and industrial applications. Best sellers include Bromocresol Green, Oracet Blue and Sudan Black.

Peptide Reagents

A comprehensive range of reagents used in peptide coupling, with best sellers including EDC hydrochloride, HATU and Trifluoroacetic acid.

Phytochemicals

A wide range of phytochemicals, plant extracts and alkaloids, with key compounds including Corosolic acid, Nicotine and Resveratrol.



Ion-Pair Reagents

Products of exceptional quality, suitable for use in Ion Pair Chromatography. Fully tested for UV absorption, our products are manufactured to reach the stringent requirements of reversed phase HPLC analysis.

Raw Materials (IVD)

A comprehensive range of chemicals offered in bulk for the in vitro diagnostics market, including antibiotics, biological buffers and sugars. Key products include DL-Dithiothreitol, Lithium chloride and Sodium pyruvate.

Thiocyanates

A compact product range, containing some of our most competitive and popular products. Ammonium thiocyanate, Guanidine thiocyanate and Potassium thiocyanate are bulk best sellers.

Carbohydrates

A comprehensive range of high quality monosaccharides, disaccharides, polysaccharides and derivatives that are essential for cell culture, in vitro diagnostics, molecular biology and biochemistry. Our bestsellers from this range include Glucose, Mannitol and Trehalose.

Sugars

A range of commonly-used sugars for research, diagnostics and industrial manufacturing, including monosaccharides, disaccharides, polysaccharides and derivatives. Our best sellers from this range include L-Fucose, Sucrose and Xylose.

Substrates

A range of enzyme substrates for use in research and in vitro diagnostic applications. Key products include IPTG, PNPP and Sodium Pyruvate.

Steroids

Our range of steroids for research including androgens, estrogens, corticosteroids, D vitamins and cholesterol based products.





Find thousands of other reagents
at goldbio.com

Gold Biotechnology®, Inc. shares a vision with every researcher: Each facet of life science research will introduce us to a future of impactful discovery and learning, benefiting the entire world.

- Provide the **highest quality** product
- Maintain **low costs** to pass along to the researcher
- Be an advocate for the industry
- Support our customers as any loyal business partner



POPULAR GOLDBIO PRODUCTS

Antibiotics

GoldBio antibiotics cover 14 classes, including **aminoglycosides, carbapenems, macrolides, penicillins, quinolones, sulfonamides and tetracyclines**, as well as multiple generations of cephalosporin antibiotics.

Competent Cells & Transformation

GoldBio offers an extensive collection of efficient chemically competent and electrocompetent cells with high transformation efficiencies to match your specific downstream applications: **general cloning, protein expression, library construction**

Luciferin & Luciferase Assay Kits

GoldBio offers a wide range of luciferin substrates including **Firefly D-Luciferin salts, ideal for luciferase imaging in mice, cell culture and ATP assays.**

Buffers & Reagents

GoldBio's vast array of application-specific buffers include **biological, electrophoresis, lysis, chromatography, and cell culture buffer.**

Cell Culture

GoldBio's large selection of cell culture reagents will ensure that cellular processes as well as cell viability and growth in your cell culture systems are maintained.

Agarose Resins

At GoldBio, we offer different affinity resins and columns including **aminoethyl and glyoxal agarose beads, Glutathione S-transferase (GST) and nitrilotriacetic acid (NTA) resins, antibody-Protein A and Protein G—and histidine-tagged protein purification resins, immobilized enzyme resins, and magnetic, crosslinked and plain agarose beads.**

Cloning & Induction

Our featured cloning products include **IPTG, yeast cloning and induction reagents, lysis buffers and enzymes** including PFU DNA polymerases, ligases, exonucleases, alkaline phosphatases, polynucleotide kinase

Growth Factors & Cytokines

GoldBio is excited to offer an ever-increasing number of recombinant proteins including **cytokines, fibroblast growth factors (FGFs), interleukins and neurotrophic factors.** Originated from human, murine, rat and other assorted species

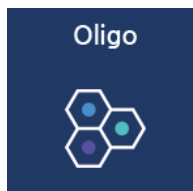
Protein Research & Analysis

GoldBio's vast collection of protein analysis products and technical resources to help you perform **protein gel electrophoresis, Western blotting and protein expression and purification assays.**





บริการสังเคราะห์ไพรเมอร์ (Oligo Synthesis)



The synthesized oligos (Primer) are used in various biology and medical fields such as DNA sequencing, PCR, SNP study, gene synthesis, NGS service, qPCR service, biochip and siRNA expression.

Modified Oligos

Internal Modification

- Deoxyinosine (dI)

3' Modification

- 3'C3 Spacer
- 3'Phosphorylation
- 3'Biotin
- 3'BHQ1
- 3'BHQ2
- 3'BHQ3
- 3'BBQ650
- 3'Dabcyl
- 3'Eclipse

5' Modification

- 5'Phosphorylation
- 5'NH₂ C6
- 5'NH₂ C12
- 5'Biotin
- 5' Thiol C6 S-S
- 5'C3 Spacer
- 5'dSpacer
- 5'FAM
- 5'HEX
- 5'TET
- 5'TAMRA
- 5'JOE
- 5'CY3
- 5'CY3.5
- 5'CY5
- 5'CY5.5
- 5'CAL Fluor560

Dual-Labeled DNA Probes

- 5'FAM-3'BHQ1
- 5'HEX-3'BHQ1
- 5'HEX-3'BHQ2
- 5'TET-3'BHQ1
- 5'TET-3'BHQ2
- 5'TAMRA-3'BHQ1
- 5'TAMRA-3'BHQ2
- 5'JOE-3'BHQ1
- 5'JOE-3'BHQ2
- 5'CY3-3'BHQ1
- 5'CY3-3'BHQ2
- 5'CY3-3'BHQ3
- 5'CY5-3'BHQ2
- 5'CY5-3'BHQ3
- 5'CAL Fluor560-3'BHQ1
- 5'FAM-3'TAMRA
- 5'HEX-3'TAMRA
- 5'TET-3'TAMRA
- 5'JOE-3'TAMRA
- 5'FAM-3'Dabcyl
- 5'HEX-3'Dabcyl
- 5'TET-3'Dabcyl
- 5'TAMRA-3'Dabcyl
- 5'JOE-3'Dabcyl

Features

- Scales from 0.025 μ mole to 1 μ mole
- Accurate concentration provided by the liquid handling system
- Duplex oligos (double-stranded oligos) are possible
- Guaranteed Yield
- 100% QC

** ได้รับไพรเมอร์ภายใน 7 วันทำการ



Price table (ราคาเริ่มต้นเบสละ: 8 บาท)

Synthesis Scale (base)	Price/Base (THB / base)**			
	Concentration (μ mole)			
	0.025	0.05	0.2	1
1-50 base	10	18	50	100
51-300 base	9	17	47	94
>300 base	8	15	43	88
Purification Method	Price/Oligo (THB / Oligo)**			
	Desalt	free	-	-
MOPC	-	free	free	free
PAGE	-	1250	1250	1900
HPLC	-	1250	1250	1900

**price exclude VAT 7%

Download Primer Order form



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CLICK > Primer Order form

บริการวิเคราะห์หาลำดับเบส (DNA Sequencing)



NGS (Next Generation Sequencing) is the method of reading a genome by dividing it into many pieces, assembling the obtained sequence pieces and analyzing the sequence of the whole genome.

- Whole Genome Sequencing
- Exome Sequencing
- Targeted Sequencing
- Transcriptome Sequencing
- Metagenome Sequencing
- Epigenome Sequencing

Workflow

DNA/RNA Extraction → Library Construction → Sequencing → Bioinformatical Analysis

บริการอื่น ๆ

- ✓ DNA Sequencing Service
- ✓ Difficult Sequencing Service
- ✓ Identification Service
- ✓ Fragment Analysis Service
- ✓ SNP/Mutation Analysis Service
- ✓ Primer Walking Service
- ✓ Pyrosequencing Service
- ✓ Cloning Service
- ✓ Gene Synthesis Service

Bioinformatics

- De novo Assembly
- Reference Mapping
- Variant Calling (SNP / InDel)
- CNV & SV
- Gene Expression
- Functional Annotations

Technologies

- HiSeq X Ten
- NovaSeq 6000
- HiSeq 2500 / HiSeq 4000
- NextSeq 500 / MiSeq
- PacBio RSII / PacBio Sequel
- Ion PGM
- Ion Proton
- 10x Chromium
- Bionano Saphyr

Download Seq Order form (For Standard DNA Sequencing)



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Click > Seq Order form

Click > Sample preparation guide

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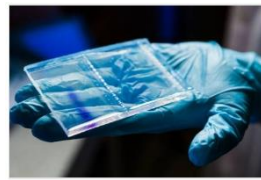
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Agarose for Gel Electrophoresis

Smart Agarose is an agarose ideal for routine rapid separation of DNA and RNA fragments as well as PCR products, the preparation of plasmids, and for screening, cloning and blotting techniques.

FEATURES

- ❑ Easy dissolution and rapid gelling.
- ❑ Excellent transparency and low background staining gives clear band visibility.
- ❑ Sharp and well defined bands.
- ❑ Very low DNA binding.

APPLICATIONS

- ❑ Smart Agarose has high gel strength even at low concentrations, so use rates are 0.75 - 2%.
- ❑ It is effective in blotting and in separations of nucleic acid fractions from 250 bp to 23 Kb.

SPECIFICATIONS & FUNCTIONAL TESTS

Ash	≤ 0.45%
Sulfate	≤ 0.15%
Clarity 1.5 % (NTU)	≤ 4
Gel Strength 1% (g/cm ²)	≥ 1000
Gel Strength 1.5 % (g/cm ²)	≥ 2000
Gelling Temperature 1.5 % (°C)	36 ± 1.5
Melting Temperature 1.5 % (°C)	88 ± 1.5
DNase/ RNase activity	None detected

Low EEO Agarose, High electrophoresis mobility

Suitable for

- Nucleic acid analytical of fractions from 250 bp to 23 Kb
- Preparative electrophoresis
- Blotting
- Protein electrophoresis ex. radial immunodiffusion

FEATURES

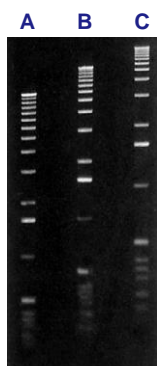
- ❑ Extraordinary mechanical resistance for more reliable and easier handling.
- ❑ Possibility of varying pore size in accordance with particle size by modifying the gel concentration.
- ❑ Easy preparation of the gel by simple dilution in aqueous buffers either by standard boiling or microwaving.
- ❑ Greater thermal stability due to high hysteresis (difference between gelling and melting temperatures).
- ❑ Excellent transparency of the gel and high visibility.
- ❑ Exceptionally low absorption of staining agents.
- ❑ Absence of toxicity (polyacrylamide is neurotoxic).

SPECIFICATIONS & FUNCTIONAL TESTS

* EEO (electroendosmosis)	D-1 LE/QS
Moisture	≤ 10%
Ash	≤ 0.4%
EEO*	0.05-0.13
Sulfate	≤ 0.1%
Clarity 1.5 % (NTU)	≤ 3
Gel Strength 1% (g/cm ²)	≥ 1200
Gel Strength 1.5 % (g/cm ²)	≥ 2500
Gelling Temperature 1.5 % (°C)	36 ± 1.5
Melting Temperature 1.5 % (°C)	88 ± 1.5
DNase/ RNase activity	None detected
DNA resolution ≥ 1000 bp	Finely resolved
Gel background	Very low



By Smart Agarose
Markers:
Lane 1 : 1 Kb ladder
Lane 2: 250 bp ladder
Lane 3: 100 bp ladder



By LE Agarose
D1-LE Agarose gels in 1X TAE buffer
A-0.75%, B-1%, C-1.25%
Marker: 1Kb ladder.
Electrophoresis conditions: submarine gel,
2 hours 30 min, 4.5 V/cm in 1X TAE buffer.

Order Information

Cat No.	Description
SB101-100G	Smart Agarose, 100g
SB101-500G	Smart Agarose, 500g
Cat No.	Description
SB102-100G	LE Agarose, 100g
SB102-500G	LE Agarose, 500g





Carbohydrates

Discover our extensive and comprehensive range of carbohydrates to scientists within the life science and chemistry research fields. Our carbohydrate products include **monosaccharide building blocks**, **functionalised sugars** (including fluoro, azido, amino and lactone derivatives), **glucuronides**, **oligosaccharide reference compounds** (both natural and synthetic), **polysaccharides** and **sugar-based detergents**.

Research Chemicals

Research chemicals are frequently used as starting materials for specialty chemicals - they comprise **alkane**, **alkene** and **alkyne derivatives**, **amino acids**, **aromatic based molecules** and their derivatives, **coupling agents**, **dyes**, **inorganic chemicals**, **peptides**, **polyamines**, **polymers**, and **various reagents** including protecting reagents for alcohols, fluorine donors, oxidizing agents, detection agents and chelating agents.

Nucleosides

Nucleosides play a significant role in antiviral and anticancer research. Biosynth Carbosynth offers a comprehensive selection of **nucleosides**, **nucleotides** and **nucleic acid** derivatives including ribonucleosides, 2'-deoxynucleosides, dideoxynucleosides and modified derivatives.

Impurities

Impurities' refers to synthetic impurity standards and known metabolites of APIs that have been resynthesised to the highest purity, and are supplied with full analytical data, allowing precise identification and quantification of extraneous molecules that may be present in a drug.

Antimicrobials

Antimicrobials are a group of compounds of natural or synthetic origin with the ability to kill or inhibit the growth of microorganisms. These include bacteria, viruses, microscopic fungi and protozoa. Our range of antimicrobials include **antibiotics**, **antivirals**, **antifungals** and **antiparasitics**.

Natural Products

Biosynth Carbosynth offers over 2,000 natural products and specialises in supplying phytochemicals (notably flavonoids) and other types of naturally derived compounds such as **chalcones**, **alkaloids**, **caffeoylquinic acids**, **coumarins**, **terpenes** and **steroids**.

Enzymes

The enzymes are grouped in 6 major classes: **oxidoreductases**, **transferases**, **hydrolases**, **lyases**, **isomerases**, **ligases** and **translocases**. Enzymes are key drivers of cell metabolism across all kingdoms of life and are also extensively used as tools in life science research, in therapeutics, diagnostic and bioprocessing applications.

Life Sciences

Biosynth Carbosynth is a leading supplier of products to the life science community. These products include **buffers**, **dyes**, **stains** and **reagents used in life science research**, as well as **biologically active molecules**.

Enzyme Substrates

Biosynth Carbosynth is a leading supplier of enzyme substrates to the life science community. Our enzyme substrate products have applications in **culture media**, **diagnostics**, **food** and **environmental testing**. The range includes chromogenic and fluorogenic substrates, along with products for diagnostic staining, probing and bioluminescent substrates.



Highest Purity Chemical



Technology & Innovation



GMP Manufacturing



Highest Quality Product



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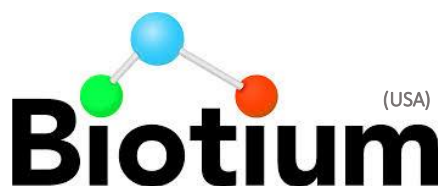
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Innovative dyes for science. Expert solutions for scientists.
Fluorescence-based reagents, kits, and more for life science research.

Biotium has developed over 30 patented technologies including **GelRed® dyes**, **CF® dyes**, **NucView® Caspase-3 Substrates**, **EvaGreen® dyes**, and **TrueBlack® Background Reducers**. Many of these technologies have been licensed out to leading life science technology companies worldwide.

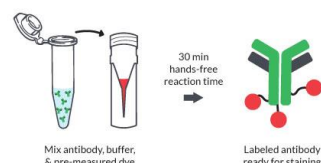
Antibody & Protein Labeling Kits



- Mix-n-Stain™ Antibody Labeling Kits
- CF® Dye & Biotin SE Protein Labeling Kits
- VivoBrite™ Antibody Labeling Kits



Mix-n-Stain™ CF® Dye Antibody Labeling Kits



Apoptosis & Viability Assays



- NucView® Caspase Substrates for Live Cells
- Dead cell stains
- ViaFluor® SE Cell Proliferation Kits
- Live-or-Dye™ Fixable Dead Cell Stains

Microbiology



- Bacterial Viability : Live-or-Dye™ Fixable Viability Staining Kits
- Viability PCR dye with PMAxx™
- Yeast Viability: Yeast Live-or-Dye™ Fixable Live/Dead Staining Kit

Cell & Organelle Stains



Nucleus : NucSpot® 470, RedDot™, Live-or-Dye NucFix™ Red, DAPI and Hoechst



Membrane & Cell Surface : CellBrite™ Cytoplasmic Membrane Dyes



Mitochondria : MitoView™ Dyes , JC-1



Lysosomes : LysoView™ Dyes, LysoView™ 555



Lipid Droplets : LipidSpot™ Lipid Droplet Stains



Cytoskeleton : ViaFluor® Live Cell Microtubule Stains



Vesicles & Membrane Trafficking : Fluid phase tracers



Cytoplasm : ViaFluor® SE Cell Proliferation Dyes



Neuronal Stains : Anterograde & Retrograde Tracers

Reactive CF® Dyes, Other Reactive Dyes



- Reactive CF® Dyes
- Amine-Reactive Dyes
- Azide, Alkyne, BCN, Tetrazine & TCO
- Biotinylation Reagents
- Dyes For Labeling Carbonyls & Carbohydrates



In Vivo Imaging

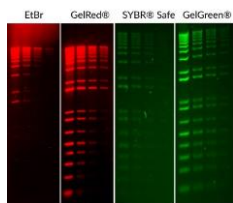


- Near-IR CF® Dye Annexin V Conjugates
- Near-IR Cytoplasmic Membrane Stains
- Vivobrite™ Rapid Antibody Labeling Kits

DNA Gel Stains & Accessories



- GelRed® Nucleic Acid Gel Stain
- GelGreen® Nucleic Acid Gel Stain
- DNAzure® visible DNA gel stain



Gel-Bright™ LED Gel Illuminator

Flow Cytometry Accessory Products



- Flow Cytometry Fixation/ Permeabilization Kit
- Fixation Buffer
- Permeabilization & Blocking Buffer

Fluorescent Proteins & Other Conjugates



- Annexin V CF® Dye Conjugates
- Steady-Luc™ Firefly HTS Assay Kit
- Renilla Luciferase Assay Kit

Western Blotting & Protein Gel Stains



- Western Blotting Reagents
- TrueBlack® WB Blocking Buffer Kit
- Protein Gel Stains
- One-Step Blue® Protein Gel Stain

PCR & Molecular Biology



- qPCR Reagents
- Forget-Me-Not™ EvaGreen® qPCR Master Mix
- DNA / RNA Quantitation Kits
- DNA Binding Dyes : PMAxx™ Dye , EvaGreen® Dye
- DNA/RNA Purification Kits



Before adding template After adding template
After addition of DNA template mixed with Forget-Me-Not™ Template Buffer



DNASTORM™ DNA Isolation Kit





A Powerhouse Player in the Biotechnology Industry

Applied Biological Materials (abm) Inc. has been catalyzing scientific discoveries in Life Sciences and Drug Development for over a decade. Based in Vancouver, Canada, our agility in developing and commercializing novel research tools and our complete portfolio of unique services have made us an invaluable partner to laboratories and research institutions around the world.

Cell Biology

CELL TYPES

- Primary Cells
- **Immortalized Cells**
- Tumor Cells
- **Drug Discovery Cell Lines**
- **CRISPR Cell Lines**
- 3'UTR Cell Lines
- Reporter Cell Lines
- GFP- and RFP-Expressing Cell Lines

CELL IMMORTALIZATION KITS

GROWTH FACTORS AND CYTOKINES

CELL BIOLOGY REAGENTS

- Media and Supplements
- **PriGrow Media**
- Transfection Reagents
- Mycoplasma Detection & Elimination
- Cell Attachment Factors

CELL-BASED ASSAY PRODUCTS

- Cell Lysates and Total RNA
- Luciferase Assay Kit
- Active Kinases

Over 400 Immortalized Cell Lines available:

- Adipose
- Airway
- Blood
- Bone
- Brain
- Breast
- Colon
- Digestive
- Eye
- Hair
- Heart
- Liver
- Lung
- Mesentery
- Oral
- Ovarian
- Pancreas
- Pharynx
- Placenta
- Renal
- Reproductive
- Skeletal Muscles
- Splenic
- Umbilical Cord
- ...and more!



Mycoplasma Detection Kit

Your #1 Source for Vectors and viruses

Gene Expression Vectors and Viruses

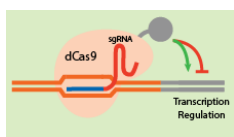
GENE EXPRESSION VECTOR AND VIRUS LIBRARIES

- AAV Library
- Adenovirus Library
- Lentivirus Library
- Retrovirus Library
- ORF Library
- Protein Vector Library
- lncRNA & Antisense RNA Library



EXPRESSION SYSTEMS AND PACKAGING KITS

- AAV Packaging Mixes and Serotyping
- Adenovirus Expression Systems
- Lentivirus Expression Systems
- Lentivirus Packaging Systems
- Retrovirus Expression Systems
- Retrovirus Packaging Systems
- Virus Purification Kits
- Virus Titration Kits



CRISPR for Gene Activation or Repression

CRISPR

CRISPR GENE EDITING TOOLS

- Cas9 Expression Vectors and Viruses
- Cas9-Expressing Cell Lines
- GeneCraft-R CRISPR Kits

CRISPR LIBRARIES

- CRISPR Knockout Cell Line Library / Lentivirus Library / AAV Library / Adenovirus Library
- CRISPR Activation Library



RNAi Technology

miRNA EXPRESSION

- Lentivirus / AAV / Adenovirus / miRNA Expression
- Synthetic miRNA Mimics and Agomirs

miRNA INHIBITORS

- Lentivirus miRNA / AAV miRNA / Adenovirus

Molecular Biology and PCR

PCR

- PCR Polymerases and RT-PCR
- qPCR Master Mixes and Kits

MOLECULAR BIOLOGY ENZYMES AND KITS

- Restriction Enzymes
- DNA and RNA Ligases
- NGS Sample and Library Preparation Kits

DNA & RNA ANALYSIS

- **SafeView DNA Stains**
- DNA Ladders
- DNA & RNA Extraction and Purification
- RNA Visualization

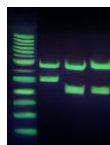


PROTEIN EXPRESSION AND PURIFICATION

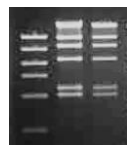
- Protein Lysates Library
- Recombinant Protein Library
- Affinity Chromatography
- IgG Purification

PROTEIN ELECTROPHORESIS, BLOTTING

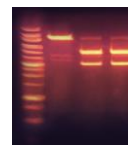
- Protein Markers
- Western Blotting Reagents



Safe-Green™ (6X, UV and LED)



Safe-White™ (6X, UV)

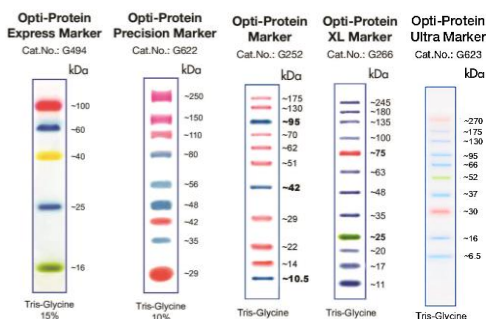


Safe-Red™ (6X, UV)

G108 SafeView Stains



SafeView™ (20,000X, UV and LED)



Protein Ladder



Film / Western Blot Reagents



Nitrocellulose Membrane



For all product information, please visit : <https://www.abmgood.com/>

For more information, please contact us.



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BIOFACT
BIOFACTORY

(South Korea)

BIOFACT Provides the Progress for Your

Research Beyond the PCR Technology, BIOFACT Promises the Progress for Your Research.

BIOFACT Provides You the Most Innovative High-Quality Reagents and Lab Supplies which Lead to Success of Your Tomorrow.

PCR Enzyme



DNA Polymerase

Filtration



Syringe filter



Membrane filter



Mini column for
DNA prep Kit / RNA prep Kit /
Gel & PCR Purification Kit

DNA/RNA Preparation



Gel & PCR Purification Kit

Genomic DNA prep kit



Plasmid Mini prep kit

RNA prep kit

BIOFACT™ Magnetic Bead Preparation Series



Restriction Enzyme



Aat II

Eco R I



EZ-One™ Cut Eco R V



Acu I

Hpa I



EZ-One™ Cut Eco R V

Enzyme



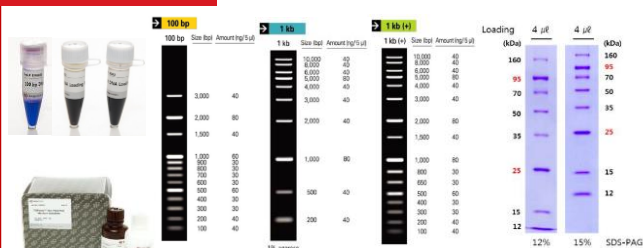
DNA Polymerase I
(E. coli)

E. coli Poly(A)
Polymerase



TOPcloner™ TA kit

Electrophoresis



TOPview™ ECL Pico Plus
Western Substrate

DNA Ladder Marker

EZ™-Unstained Protein
Ladder Marker

Premade Buffer



Coomassie Blue
R-250

10% SDS

1M Tris-HCl

Water, Ultra Pure

Enzynomics produce enzymes for research and diagnostics, resulting in the production of high-quality recombinant enzymes that range from restriction enzymes to DNA polymerases, virtually covering all enzymes needed for modern life science.



For all product information,
please visit <http://www.enzynomics.com/>



enzynomics
(South Korea)

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Geneaid is a leading manufacturer of DNA/RNA purification products including plasmid kits, DNA extraction kits, RNA kits, virus DNA/RNA kits, gel extraction kits, PCR cleanup kits, cloning kits, magnetic bead genomic DNA kits, PCR products, enzymes, protein products, DNA markers as well as high-throughput 96-Well DNA/RNA extraction kits.



Viral Nucleic acid Extraction kit

Auto Machine

- SYNC Nucleic Acids Extraction System (S032)

Magnetic Beads Virus RNA Extraction Kit

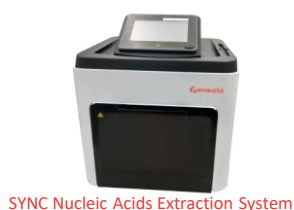
- Kit II (MV048/MV096/MV480)
- Plate Kit (MVP096)

Sample Storage Buffer

- SYNCstore™ STM (SS1000)
- PBS Transport Tube (PBS1000)

Spin Column Viral Nucleic Acid Extraction Kit

- Viral Nucleic Acid Extraction Kit II (VR050/VR100/VR300)
- Presto™ 96 well Viral Nucleic Acid Extraction Kit (96VR02, 96VR04)
- Virus DNA/RNA Extraction Kit III (VI050/VI100/VI300)
- Plant Virus RNA Kit (PVR050/PVR100)



RNA Extraction

Total RNA

- RNase-Free DNase I Set (DNS050, DNS100, DNS300)
- Blood/Cell Total RNA Mini Kit (RB050, RB100, RB300)
- Bacteria RNA Mini Kit (RBD050, RBD100, RBD300) with DNase
- Blood/Cell RNA Mini Kit (RBD050, RBD100, RBD300)
- Yeast Total RNA Mini Kit (RBYD050/RBYD100/RBYD300) with DNase
- Presto FFPE RNA Mini Kit (RF050, RF100) Mini Kit (RFD050, RFD100)
- miRNA Isolation Kit (RMI050)
- Plant Total RNA Mini Kit (RPD050, RPD100, RPD300) with DNase
- rSYNC™ RNA Isolation Kit (RS050, RS100, RS300)
- Tissue Total RNA Mini Kit (RTD050, RTD100, RTD300) with DNase

Tri RNA

- GENEzol™ 96 Well RNA Kit (96GZX04/96GZX10)
- GENEzol™ Bacteria Kit (GZBD050/GZBD100/GZBD200) with DNase
- GENEzol™ Reagent (GZR050/GZR100/GZR200)
- GENEzol™ TriRNA Pure Kit (GZXD050/GZXD100/GZXD200) with DNase

RNA Cleanup

- RNA Cleanup Kit (PR050/PR100)



Magnetic Beads DNA/RNA Extraction

- Blood MB048/MB096
- Food MF048/MF096
- Bacteria ME048/ME096
- Plant MP048/MP096
- Micro gDNA kit MM048/MM096
- Soil (MS048/MS096)
- PCR Cleanup kit MC048/MC096
- 96 Magnetic Stand

Presto™ Vac 96 Well Vacuum Manifold

Bead Beating Tube

96 Magnetic Stand



Nucleic acid extraction kits by Geneaid (Taiwan)

ชุดสกัด DNA, RNA จากตัวอย่างครบวงจร

Product List

- Viral Nucleic Acid Extraction Kit
- Plasmid DNA Extraction
- Genomic DNA Extraction
- PCR cleanup & Gel Extraction
- RNA Extraction

Type : Magnetic bead / Spin Column / 96 well plate



DNA Extraction kit

DNA Purification

- 96 Well Plasmid Kit (96PDC04/96PDC10) (96PDV04/96PDV10)
- Presto™ Mini Plasmid Kit (PDH100, PDH300)
- Geneaid™ Midi Plasmid Kit (PI025)
- Midiprep Plasmid DNA Kit (PIF025)
- Maxi Plasmid DNA Kit PLUS (PM010+, PM025+)
- Endotoxin Free Maxi Kit PLUS (PME10+/PME25+)

Genomic DNA Purification

- 96 Well Bacteria DNA Kit (96GBB04, 96GBB10)
- 96 Well Blood DNA Kit (96GBP04, 96GBP10)
- 96 Well Plant DNA Kit (96GPP04, 96GPP10)
- 96 Well Tissue DNA Kit (96GS004, 96GS010)
- Food DNA Extraction Kit (FGD100, FGD300)
- Blood/Cell DNA Mini Kit (GB100, GB300) Midi Kit (GDI100)
- Bacteria Genomic DNA Kit (GBB100/101, GBB300/301)
- Yeast Genomic DNA Kit (GBYB100, GBYB300)
- Dry Blood Spot DNA Kit (GMB100, GMB300)
- Plant Genomic DNA Mini Kit (GP100) Maxi Kit (GPM010, GPM025)
- Tissue/Blood DNA Mini Kit (GS100, GS300)
- Buccal Swab DNA Mini Kit (GSK100, GSK300)
- Presto™ Sperm DNA Extraction Kit (GSP100/GSP300)
- Tissue Genomic DNA Mini Kit (GT050, GT100, GT300)
- Soil DNA Extraction Kit (SLD050, SLD100)
- Stool DNA Extraction Kit (STLD050, STLD100)
- Urine DNA Extraction Kit (UR050, UR100)

PCR Cleanup

- 96 Well PCR Cleanup Kit (96DFH04, 96DFH10)
- PCR Cleanup Kit (DFC100/DFC300)

Gel Extraction

- 96 Well Gel Extraction Kit (96DFG04, 96DFG10)
- Gel/PCR DNA Fragments Kit (DF100, DF300)
- Gel Extraction Kit (DFG100/DFG300)
- GenepHlow™ Gel/PCR Kit (DFH100, DFH300)
- DNA Cleanup Maxi Kit (DFM010, DFM025)
- Gel Extraction Cutting Tool (GXT025)

Sequencing Cleanup

- G-50 Gel Filtration Dye Terminator Removal Column (CG050)
- 96 Well G-50 Gel Filtration Plate (CGP04, CGP10)

Reagent DNA Extraction

- Blood DNA Isolation Kit (GEB100/GEB01K)
- Cell DNA Isolation Kit (GEC150/GEC01K)
- Bacteria DNA Isolation Kit (GEE150, GEE1.5K)
- Tissue DNA Isolation Kit (GET150, GET01K)
- Yeast DNA Isolation Kit (GEY100, GEY300)
- Plant DNA Isolation Kit (GR100, GR200)
- ZEROprep™ DNA PCR Reagent (ZDR050, ZDR100)



For all product information,
please visit <https://www.geneaid.com/>

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Molecular Biology Kits

Offers the most cost effective alternatives to the standard Molecular Biology Kits without sacrificing quality. These high performing kits are designed to maximize quality with significant saving in cost



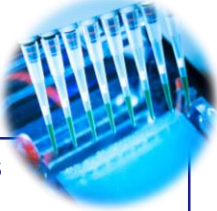
Culture Media

A large variety of Culture Media and Culture Media related chemicals such as Agar, Broths, Medium, Supplement, Growth Regulators and other culture related reagents.



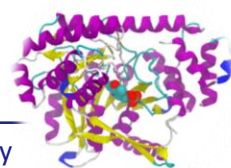
Electrophoresis Related

A popular selection of products specialized for Electrophoresis, including ladders for DNA, RNA, Protein; Precast Gels, Agarose, Tracking Dyes, Stains, Acrylamide, Buffers and Reagents.



Premade Proteins

All proteins of the highest purify and activity – including Recombinant Protein (Cytokines, Defensins, Growth Factors, Hormones, Ubiquitins, Neurotrophins), Enzymes, Albumins and Standards.



Benchtop Equipment

High performance and quality benchtop equipment such as Centrifuges, Homogenizers, Thermal Cyclers, Mixers, Heat Baths, and many more.



Bio Basic strongly committed to innovation and excellence. It strives to do so by directing its efforts into R & D and improving the quality of its products. Bio Basic offers a wide variety of products and services, especially in the field of molecular biology. Several product lines from Bio Basic such as, Molecular Biology Kits, Biochemicals, Synthetic Genes, Peptides and Oligomers have already shown a dominant market presence and have been widely recognized by researchers worldwide.

Biochemicals

A wide array of biologicals available including general chemical, stains, indicators, Cell/Molec. Biology Reagents and Buffers.



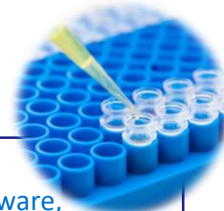
PCR Related

A wide rang of PCR related reagents, including enzymes and our most popular dNTPs, dNMPs, NTPs, PCR-Premixes, Buffers and Kits.



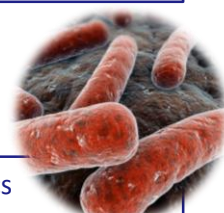
Labware

A wide selection of labware ranging from Tissue Culture labware, PCR tubes, columns, pipette tips, filter tips, racks, pipettes, multiwell plates and many more.



Antibiotics

A modest selection of antibiotics available at Bio Basic, with a focus on culture related antibiotics.



ANTIBODY & ELISA EXPERTS

27 years designing high affinity antibodies and immunoassays. Proudly serving the brightest minds in scientific research.

Products

Primary Antibodies

- Monoclonal Antibodies
- Rabbit Monoclonal Antibodies

Applications : For IHC, ICC/IF, WB, ELISA, Flow Cytometry, ChIP And Many More

ELISA Kits

- PicoKine™ ELISA Kits
- PicoKine™ Fast ELISA Kits
- EZ Set™ ELISA Antibody Pairs
- Multiplex ELISA Solutions

Popular ELISA

Insulin / Cortisol / TNF Alpha / IL-1 Beta
IL-6 / IL-10 / IFN Gamma / Adiponectin / VEGF

Secondary Antibodies

Commonly used secondary antibody conjugates
Fluorophores / Enzymes / Biotin / Colloidal gold

- Recombinant Proteins
- Common Buffers And Recipes
- Cell and Tissue Lysates
- Immunostaining IHC IF ICC Reagents
- Western Blot Reagents
- PCR and qPCR
- Reporter Cell Lines



Service

- Recombinant Protein Expression
- Gene Synthesis
- Custom Antibody Production
 - Rabbit Polyclonal
 - Mouse Monoclonal
 - Rabbit Monoclonal
- Sample Testing Services
 - Singleplex ELISA
 - Multiplex ELISA
 - IHC and Immunofluorescence
- Assay Services
 - ELISA
 - Histology/IHC/IF
 - Western Blotting



For more information, please visit :
<https://www.bosterbio.com>



Abbkine aim to provide innovative, high quality assay kits, recombinant proteins, antibodies and other research tools to accelerate life science fundamental research, drug discovery, etc.

CROWN Antibody

Ultra validation and promise



Loading Control antibodies

- β-Actin
- GAPDH
- β-Tubulin
- α-Tubulin
- Cyclophilin B
- Cofilin
- Vinculin
- Mitochondrial
- COX IV
- HSP60
- VDAC1/Porin
- Nuclear
- PCNA
- Histone H3
- HDAC1
- Lamin B1
- TBP/TATA
- Membrane NaK ATPase
- Serum Transferrin

Primary antibodies

- Signal Transduction
- Apoptosis
- Immunology
- Cytoskeleton
- Epigenetics
- Cardiovascular
- Neuroscience
- Cell Cycle
- Other antibodies

Epitope & tag antibodies

Fluorescent secondary antibodies

- Dylight® antibodies
- IFKine™ antibodies

Protein & Antibody



Purification & Detection Tools

Protein Purification & Detection

- His Tag Fusions
- GST Tag Fusions
- MBP Tag Fusions
- DDDDK Tag Fusions
- Biotin Tag Fusions
- HA Tag Fusions
- Protein A Tag Fusions
- Myc Tag Fusions
- VSV-G Tag Fusions

Antibody Purification & Detection

- Protein A
- Protein G
- Protein L
- Protein A/G
- Antibody Purification
- IPKine Antibodies

EliKine ELISA Kits

Unexpected Sensitive and Accurate



Abbkine newly launched EliKine™ series of ELISA kits exert high sensibility and specificity, with a comprehensive selection of ELISA kits available for the quantification of **cytokines, hormones and other proteins**, to meet your multiple experiment demands

Components of EliKine™ Sandwich ELISA Kits

- 96-well strip microplate pre-coated with capture antibody
- Biotinylated detect antibody
- Analyte standard
- EliKine™ streptavidin-HRP conjugate
- Standard diluent
- HRP substrate
- Wash buffer
- Plate cover
- Stop solution
- Assay buffer



PurKine™



For all product information,
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CYTOKINES

Cytokines/immunocytokines, were initially used to separate the immunomodulatory proteins, also called immunotransmitters, from other growth factors that modulate proliferation and bioactivities of non-immune cells.

GROWTH FACTORS

Growth Factor is a protein molecule made by the body; it functions to regulate cell division & cell survival. Growth factors can also be produced by genetic engineering in the laboratory and used in biological therapy.

NEUROTROPHINS

Neurotrophins are proteins with closely related structures that are known to support the survival of different classes of embryonic neurons. Neurotrophins is a generic term that describes a number of neurotrophic factors enhancing neuronal differentiation, inducing proliferation, influencing synaptic functions, and promoting the survival of neurons that are normally destined to die during different phases of the development of the central and peripheral nervous system.

VIRAL ANTIGENS

A viral Antigen is an antigen with multiple antigenicities that is protein in nature, strain-specific, and closely associated with the virus particle. A viral protein is an antigen specified by the viral genome that can be detected by a specific immunological response.

HORMONES

Hormones are chemical messengers that carry and travel signals in the blood stream from 1 cell or glands to other tissues and organs to maintain chemical levels in the bloodstream that achieve homeostasis.

ENZYMES

Enzymes are very efficient and specific catalyst proteins which react with 1 or few types of substrates in biochemical reactions and are responsible for bringing about almost all of the chemical reactions in living organisms. Enzymes speed up reactions by providing an alternative reaction pathway of lower activation energy.

For all product information,
please visit <https://www.prospecbio.com/>



(USA)

RELIABLE & HIGH-QUALITY ANIMAL CELL & PLANT TISSUE CULTURE REAGENTS



CAISSON
LABS

PLANT TISSUE CULTURE

Tissue Culture Media

- Chu's N-6
- DKW
- E3P
- Gamborg's B-5
- Hoagland's
- Linsmaier & Skoog
- Lloyd & McCown's Woody Plant
- Murashige & Skoog
- NB Basal Medium
- Nitsch & Nitsch Basal Salts
- Orchid Maintenance Medium
- Preece's Basal Salts
- Quoirin & Lepoivre Basal Salt Mixture
- Rugini Olive Basal Medium
- Vacin & Went Orchid Basal Salts
- White's Basal Salts
- William's Medium E

Plant growth regulators

- Thidiazuron
- trans-Zeatin
- trans-Zeatin Riboside

Plant Supplements

- Gamborg's B-5 Vitamin Mixture
- Murashige & Skoog Vitamin Mixture
- Nitsch & Nitsch Vitamin Mixture
- Plant Preservative Mixture (PPM™)



ANIMAL CELL CULTURE

Cell Culture Media & Balanced Salts

- Dulbecco's Modified Eagle's Medium (DMEM)
- Grace's Insect Medium
- Ham's F-12
- Hanahan's Broth
- Iscove's Modified Dulbecco's Medium (IMDM)
- Leibovitz's L-15
- McCoy's 5A
- MCDB 131 Medium
- Medium 199
- Minimum Essential Medium—Earle's / – Hank's
- NCTC-109 Medium
- NCTC-135 Medium
- Neuronal Cell Medium
- NLN Basal Medium
- RPMI 1640
- Schneider's Drosophila Medium
- SDM-79 Medium
- Shield's & Sang Insect Medium
- SILACE, E. coli Medium
- Hink's TNM-FH Insect Medium
- Trypsin-EDTA Solution
- William's E

Sera

- Newborn Calf Serum
- Porcine Serum
- Rainbow Trout Serum
- Fetal Bovine Serum

Antibiotics & Antimycotics

- Penicillin-Streptomycin Solution
- Stabilized Glutamine-Penicillin-Streptomycin Solution

Buffers and Supplements

- S.O.C. Medium
- Yeast Mannitol Agar / Broth



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Formedium™ are dedicated to the manufacture and supply of the highest quality powdered media. We stock a wide range of standard industry products as well as specialising in the production of bespoke formulas. We are a customer driven company focused on delivering quality, service and competitive pricing to meet the exacting needs of academia, research and industry.

ESCHERICHIA COLI MEDIA

- AIM - Auto Induction Medium
- Media for Optimal Cell Growth and Yield of *Escherichia Coli* Cultures
- Bacteriophage Lambda Medium Formulations
- M13 Phage and ssDNA Bacteriophages Medium Formulations
- Competent Cells Medium Formulations
- Bacterial Media Components

FUSARIUM SP MEDIA

- PDA, Potato Dextrose Agar
- PDB, Potato Dextrose Broth

LACTOBACILLI MEDIA

- MRS Agar
- MRS Broth

SACCHAROMYCES CEREVISIAE MEDIA

- Complex Media
- Yeast Nitrogen Base Media
- Synthetic Defined Media
- Synthetic Complete Media
- Amino Acid Drop-Out Supplements
 - Complete Supplement Mixture, (CSM)
 - Hopkins Mixture, Synthetic Complete Supplement Mixture, (SCSM)
 - Kaiser Mixture, Synthetic Complete Drop-Out Mixture, (SC)
 - Brent Supplement Mixture, (BSM)
 - Hollenberg Supplement Mixture, (HSM)
- Yeast Media Components

SACCHAROMYCES CEREVISIAE AMINO ACID DROP-OUT SUPPLEMENTS

- Complete Supplement Mixture, (CSM)
- Hopkins Mixture, Synthetic Complete Supplement Mixture, (SCSM)
- Kaiser Mixture, Synthetic Complete Drop-Out Mixture, (SC)
- Brent Supplement Mixture, (BSM)
- Hollenberg Supplement Mixture, (HSM)

DICTYOSTELIUM DISCOIDEUM MEDIA

- Non Defined Complex Dictyostelium Discoideum
- FM Defined Minimal Media
- SIH Defined Minimal Media
- Yeast Media Components

SCHIZOSACCHAROMYCES POMBE MEDIA

- Complex Media
- Minimal Defined Media
- SP Supplements
- Yeast Media Components

ANIMAL FREE MEDIA FOR GROWTH OF *E. COLI* CULTURES

- Soya Peptone
- VLB-Agar / Broth
- 2X VYT Agar / Broth



LB



PDA



MRS



Yeast Nitrogen Base



RNASEZERO®



FM



Yeast Extract



YES



Soya Peptone



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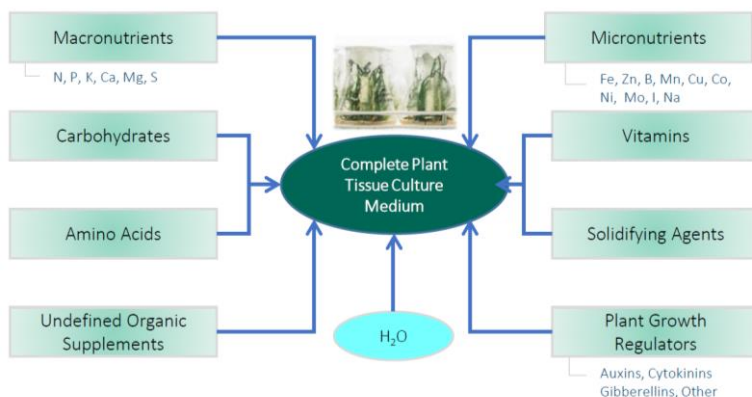


Plant Media

A267 Anderson Basal Salt Mixture
 B144 Banana AGS Basal Medium
 B129 Bacteria Screening Medium 523
 C416 Chu's N6 Basal Salt Mixture
 C167 Chu's N6 Basal Medium
 C206 Cape Sundew / Venus Fly Trap Multiplication Medium
 C222 Carrot Shoot Development Medium
 C212 Carrot Callus Initiation Medium from Pith Tissue
 D190 DKW Basal Salt Mixture
 D146 DCR Basal Salt Mixture
 D189 DKW Basal Medium with 30 g/L Sucrose
 G398 Gamborg's Basal Medium
 G768 Gamborg Basal Salt Mixture (B-5 Salts)
 H353 Hoagland Modified Basal Salt Mixture
 H435 Hosta Initiation/Multiplication Medium Stages/II Medium
 H436 Hosta Multiplication Medium Stage II Medium
 H437 Hosta Rooting Medium Stage III Medium
 L449 Lloyd & McCown's Woody Plant Medium (WPM)
 L689 Linsmaier & Skoog Basal Medium
 L477 Linsmaier & Skoog Modified Basal Medium
 L154 Lloyd & McCown Woody Plant Basal Mixture
 L689 Linsmaier & Skoog Basal Medium
 L476 Leifert & Waites Sterility Test Medium
 M561 Murashige & Skoog Modified Basal Salt Mixture
 M519 Murashige & Skoog Basal Medium with vitamin
 M524 Murashige & Skoog Basal Salt Mixture
 M507 Murashige Cattleya Orchid Multiplication Medium
 M508 Murashige Fern Multiplication Medium
 M509 Murashige Gerbera Multiplication Medium
 M511 Murashige Kalanchoe Multiplication Medium
 M536 Murashige Modified Basal Multiplication Medium
 M527 Murashige Modified Multiplication Medium
 M491 Murashige Shoot Multiplication Medium
 M462 Musa (Banana) Multiplication Medium
 M579 Mitra Maintenance/Replate Medium
 N492 NB Basal Medium
 O753 Orchid Multiplication Medium
 P688 Orchid Maintenance Medium
 P723 Orchid Seed Sowing Medium
 P781 PhytoTech Orchid Replate Medium with Sucrose
 P656 PhytoTech Phalaenopsis Replate Medium
 R756 Rose Initiation Medium
 R757 Rose Modified Multiplication Basal Medium
 R758 Rose Modified Rooting Basal Medium
 S816 Schenk & Hildebrandt Basal Salt Mixture
 S808 Schenk & Hildebrandt Modified Basal Medium
 W863 Westvaco WV3 Basal Medium



Helping to ensure a better tomorrow through plant science.



Plant Growth Regulators

Auxins

I885 Indole-3-Acetic Acid (IAA)
 I364 Indole-3-Acetic Acid (IAA) Solution (1 mg/mL)
 I538 Indole-3-Butyric Acid (IBA)
 I460 Indole-3-Butyric Acid (IBA) Solution (1 mg/mL)
 I560 Indole-3-Butyric Acid (IBA), Potassium Salt
 N600 Naphthalene acetic Acid (NAA)
 N605 Naphthalene acetic Acid (NAA) Solution (1 mg/mL)
 N610 Naphthalene acetic Acid (NAA), Potassium Salt
 D295 2,4-D Solution (1 mg/mL)
 D309 2,4-D Solution (10 mg/mL)
 B148 4-Bromophenoxyacetic Acid
 N564 β -Naphthoxy acetic Acid
 C213 p-Chlorophenoxy acetic Acid
 P717 Picloram

Cytokinins

C279 4-CPPU
 A120 Adenine
 A545 Adenine Hemisulfate
 K750 Kinetin
 K483 Kinetin Solution
 B151 N6-Benzyladenine
 T888 Thidiazuron
 T438 Thidiazuron (95%)
 D525 6-(γ , γ -Dimethylallylamino)purine (2iP)
 D217 6-(γ , γ -Dimethylallylamino)purine (2iP) Solution (1 mg/mL)
 B800 6-Benzylaminopurine (BA)
 B130 6-Benzylaminopurine (BA) Solution (1 mg/mL)
 Z125 Zeatin
 Z860 Zeatin Solution (1 mg/mL)
 Z899 Zeatin Riboside
 Z875 Zeatin Riboside Solution (1 mg/mL)
 T841 meta-Topolin
 T7885 meta-Topolin Solution (1 mg/mL)

Gibberellins

G500 Gibberellic Acid
 G198 Gibberellic Acid Solution (1 mg/mL)
 G358 Gibberellins A4 + A7

Other

A102 Absciscic Acid	F376 Flurprimidol
O630 Oryzalin	G345 Glyphosphate
T828 Trifluralin	M494 Maleic Acid Hydrazide
T818 1-Triacantanol	P687 Paclobutrazol
T850 2,3,5-Triiodobenzoic Acid	P694 Phloroglucinol
A123 Ancymidol	P733 Putrescine, Dihydrochloride
C207 Chlormequat Chloride	S837 Spermidine, Free Base
D159 Dicamba	S746 Succinic Acid
D165 Dicamba Solution (1 mg/mL)	C283 trans-Cinnamic Acid

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Carbohydrates

Monosaccharides

G360 D-(+)-Glucose, Monohydrate
G386 D-(+)-Glucose, Anhydrous
F563 D-(-)-Fructose

Disaccharides

S391 D-Sucrose
S829 D-Sucrose, Ultra Pure
M588 D-Maltose, Monohydrate

Sugar Alcohols

I703 myo-Inositol
M562 D-Mannitol, USP Grade

Amino Acids

Non-polar

G503 Glycine
A121 L-Alanine
C204 L-Cystine
C248 L-Cystine
L574 L-Leucine
M539 L-Methionine
P778 L-Phenylalanine
P698 L-Proline
V878 L-Valine

Polar (Uncharged)

G503 Glycine
A121 L-Alanine
C204 L-Cystine
C248 L-Cystine
L574 L-Leucine
M539 L-Methionine
P778 L-Phenylalanine
P698 L-Proline
V878 L-Valine

Acidic (Negatively Charged)

A117 L-Aspartic Acid
G399 L-Glutamic Acid

Basic (Positively Charged)

A143 L-Arginine
L594 L-Lysine, Monohydrate
O626 L-Ornithine Hydrochloride

Solidifying Agents (gelling agents)

Agar

A111 Agar, MicropropagationGrade
A133 Agargellan™
A296 Agar, Tissue Culture Grade
A175 Agar, Purified Grade

Carrageenan

C2000 Carrageenan, High Clarity
C257 Carrageenan, GelcarinGP812®

GellanGum

G3251 GellanGum Gelzan®
G434 GellanGum, CultureGel™

Vitamins

T390 B1 Thiamine Hydrochloride
R779 B2 Riboflavin
N609 B3 Niacinamide
N765 B3 Nicotinic Acid
A120 B4 Adenine
C232 B4 Choline Chloride
C186 B5 Calcium Pantothenate
P866 B6 Pyridoxine Hydrochloride
B140 B7 (H) D-Biotin
C242 B12 Cyanocobalamin
A103 Bx p-Amino benzoic Acid
A106 C L-Ascorbic Acid
V883 D3 Cholecalciferol
F430 M Folic Acid

Vitamin Mixes

G249 Gamborg Vitamin Powder (1000x)
M547 Murashige & Skoog Modified Vitamin Powder (1000x)
M533 Murashige & Skoog Vitamin Powder (1000x)
N608 Nitsch & Nitsch Vitamin Powder (1000x)
C149 Chu N6 Vitamin Solution (1000x)
E330 Eriksson Vitamin Solution (1000x)
G219 Gamborg Vitamin Solution (1000x)
K421 Kao & Michayluk Vitamin Solution (100x)
M587 Morel & Martin Vitamin Solution (100x)
M592 Morel & Whetmore Vitamin Solution (100x)
M557 Murashige& Skoog Modified Vitamin Solution (1000x)
M553 Murashige& Skoog Vitamin Solution (1000x)
N603 Nitsch & Nitsch Vitamin Solution (1000x)
S743 Staba Modified Vitamin Solution (100x)

Macronutrients / Micronutrients

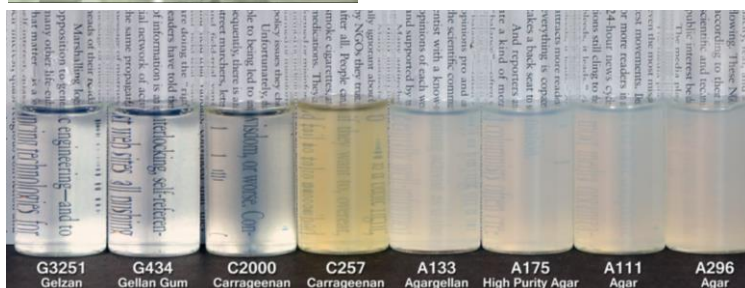
Nitrogen (N)	Iron (Fe)	Iodine (I)
Phosphorus (P)	Manganese (Mn)	Sodium (Na)
Potassium (K)	Zinc (Zn)	Chlorine (Cl)
Calcium (Ca)	Boron (B)	Molybdenum (Mo)
Magnesium (Mg)	Copper (Cu)	
Sulfur (S)	Cobalt (Co)	

Undefined Organic Supplements

A124 Apple Powder	P862 Pineapple Powder
B852 Banana Powder	P692 Potato Powder
C184 Casein, Enzymatic, Hydrolysate	T872 Tomato Powder
C325 Charcoal, Activated	T848 Tryptose
C187 Coconut Powder	W783 Water, Plant Tissue Culture Grade
M474 Malt Extract	Y892 Yeast Extract
M567 Meat Extract	C195 Coconut Water
P721 Peptone, From Soymeal	
P780 Peptone, Glysate	



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(New Zealand)

**Quality
Reagent
Chemical**



- | | | | |
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| <ul style="list-style-type: none"> Acetic acid Glacial Acetone Acetonitrile Ammonia Solution 25% Ammonia Solution 28% Ammonium Acetate Ammonium Carbonate Ammonium Chloride Ammonium Dihydrogen Phosphate Ammonium Heptamolybdate Ammonium Sulfate Ammonium Thiosulfate Boric Acid Benzene Barium Chloride Bromocresol Green Bromothymol Blue Buffer Solution Butyl Alcohol 1-Butanol Calcium Carbonate Calcium Chloride Chloroform Citric Acid Monohydrate Cobalt (II) Chloride Copper (II) Sulfate Cyclohexane Dichloromethane | <ul style="list-style-type: none"> Diethanolamine Diethylether Ethanol Absolute 99.9% EDTA-Di Sodium Salt Dihydrate Eriochrome Black T Ethanolamine Ethyl Acetate Ethylene Glycol Formaldehyde Solution Min 37% Formamide Formic Acid Glycerol 99.5% Hydrochloric Acid 37% Hydrofluoric Hydrogen Peroxide 30% Hydrogen Peroxide 35% Iodine Resublimed Iron (II) Chloride Iron (III) Chloride Iron (II) Sulfate Iron (III) Sulfate Lead (II) Acetate Lead (II) Nitrate Lead (II) Sulfate Magnesium Carbonate Magnesium Chloride Manganese (II) Sulfate Monohydrate Mercury (II) Chloride | <ul style="list-style-type: none"> Mercury (II) Iodide Mercury (II) Sulfate Methanol (Methyl Alcohol) Methyl Orange Methylene Blue N,N - Dimethylformamide Nitric Acid 65 % Nitric Acid 69 % Nickel (II) Chloride Orthophosphoric acid 85% Oxalic Acid Perchloric acid 70 % Petroleum Ether Potassium Hydroxide Pellets Phenol Extra Pure 2-Propanol Potassium Acetate Potassium Chloride Potassium Chromate Potassium Cyanide Potassium dihydrogen Phosphate Potassium Ferricyanide Potassium Ferrocyanide Potassium Hydroxide Potassium Iodide Potassium Nitrate Potassium Permanganate Potassium Sulfate | <ul style="list-style-type: none"> Salicylic Acid Silver Nitrate Silver Sulfate Sodium Acetate Sodium Carbonate Sodium Chloride Sodium Hydroxide Sodium Lauryl Sulfate Sodium Sulfate Anhydrous Sodium Thiocyanate Sulfuric Acid 98% Tetrahydrofuran Tin (II) Chloride Trichloroacetic Toluene AR Tween 20 Urea AR Water HPLC Xylene AR xylene Orange Zinc Acetate Zinc Chloride Zinc Nitrate Zinc Oxide Zinc Sulfate |
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- | | | | |
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| <ul style="list-style-type: none"> Acetic Acid Acetic Acid Glacial Acetone Acetonitrile Ammonium Acetate Ammonium Chloride Ammonium Ferrous (II) Sulfate Hexahydrate Ammonium Hydroxide Solution Ammonium Persulfate Ammonium Sulfate Ascorbic Acid Borax Boric Acid Boric Acid 1% Solution Bromocresol Green Indicator Buffer Solution Butan 1-OL n-Butyl acetate Calcium Chloride Dihydrate Calcium Hydroxide Chlorobenzene Chlorobutane Chloroform Citric Acid Monohydrate Cleaning Solution Cyclohexane Cyclohexanone Cyclopentane | <ul style="list-style-type: none"> Dichloroethane Dichloroethylene Dichloromethane Diethyl Ether Dimethylacetamide Dimethylformamide Dimethylimidazolidinone Dimethylsulphoxide Dioxan Electrosolv Eriochrome Black T Indicator Ethanol Ethyl acetate Ethylenediamine Tetraacetic Acid Ethylene Glycol Formaldehyde Glycine Haematoxylin and eosin (H&E) stain Heptane Fraction Hexane Fraction Hexanes Hydrochloric acid Hydrofluoric Acid Hydrogen Peroxide 50% Solution n-Heptane Iodine Isohexane Lactose Monohydrate Magnesium Chloride Hexahydrate Magnesium Oxide Magnesium Sulfate Anhydrous | <ul style="list-style-type: none"> Magnesium Sulfate Heptahydrate Methanol Methyl-t-butyl ether Methylbutane Methylcyclohexane Methyl Ethyl Ketone Methyl Isobutyl Ketone Methyl Orange Indicator Methyl Red Indicator n-Methyl-2-pyrrolidone Nitric Acid n-Pentane ortho-Phosphoric Acid 85% Papanicolaou Staining Procedures (PAP Stain) Petroleum Ether Phenolphthalein Indicator Phosphorus Oxychloride Potassium Chloride Potassium hydroxide Potassium Iodate Potassium Nitrate Potassium Sodium (+) Tartrate Tetrahydrate Potassium Sulfate Propan-1-ol Propan-2-ol | <ul style="list-style-type: none"> di-Sodium Hydrogen Phosphate Dihydrate Silver Nitrate Sodium Acetate Trihydrate Sodium Carbonate Anhydrous Sodium chloride Sodium Hydrogen Carbonate Sodium hydroxide Sodium Nitrate Sodium Sulfate Anhydrous Sodium thiosulfate, 0.1N Sodium Thiosulfate Pentahydrate Stannous (II) Chloride Dihydrate Sucrose Sulfuric acid Sulfuric Acid Fuming tri-Sodium Citrate Dihydrate Tetrachloroethylene Tetrahydrofuran Toluene Trichloroacetic acid Trichloroethylene Trimethylaluminum Trimethylpentane Urea Water Wijs Solution Xylene Zinc Sulfate Heptahydrate |
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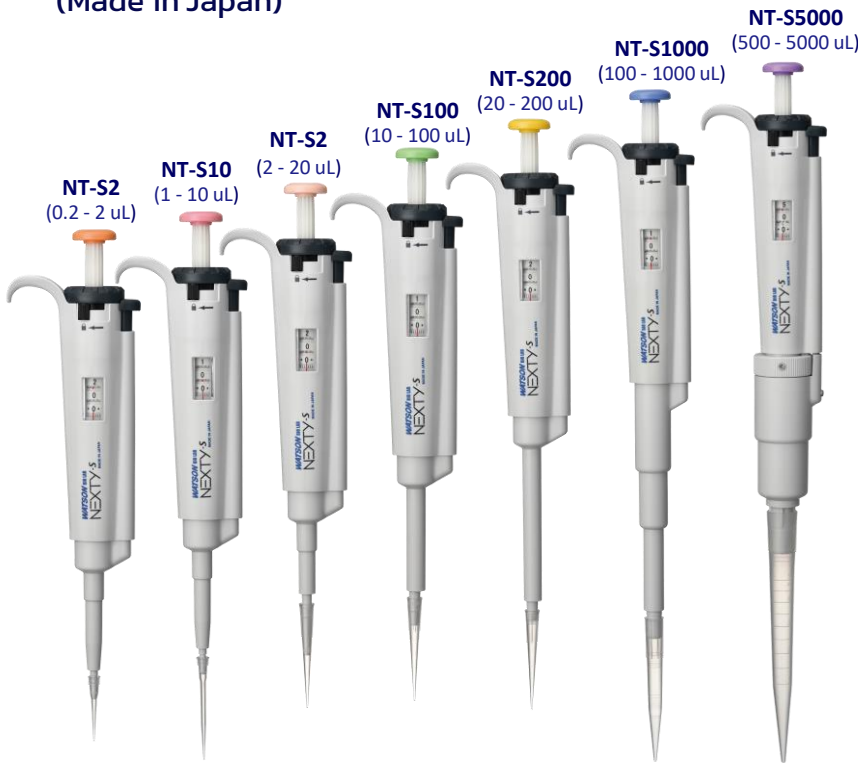
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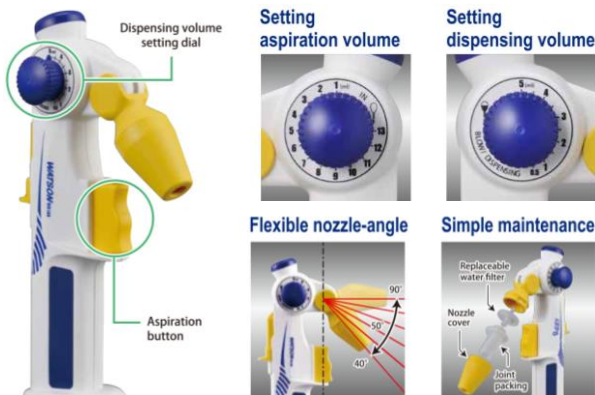
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Vortex and Stirrer



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Centrifuge



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Cooler



PCR® Cooler Mini-Cooler Cool Container

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Pipette Wall Mount Tri-Clamp-ette®

Slide Storages, Rack



Tall Slide Box Microscope Slide Box Slide Holder Cryogenic Vial Rack
Tube Rack 4 Way Rack Clinical Adapt-A-Rack® Microtube Rack



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Screw-Cap Microtubes SureSeal™ Sterile Microtube

PCR Techniques



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Pipette Supplies



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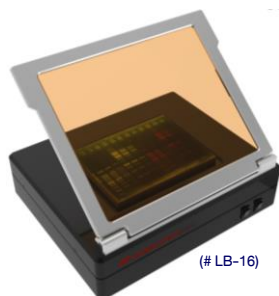
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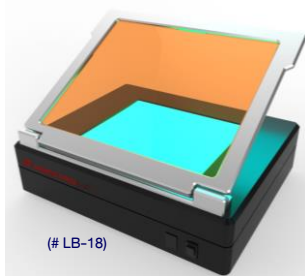
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Transilluminator

MaestroGen offers a wide range of products from basic entry-level to advanced multi-functional systems. Systems are configured to fit your applications and budget requirements.



Ultra Bright UV
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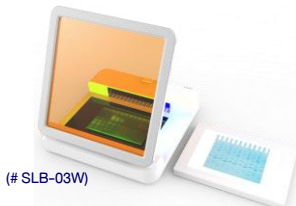
Ultra Bright LED
Transilluminator



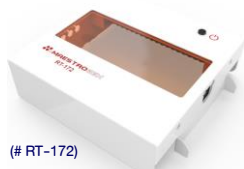
UltraSlim™ LED Transilluminator
Blue LED illuminator for mini gels



UltraSlim™ UV Transilluminator



UltraSlim™ LED Transilluminator &
SlimWhite™



BandPeeper™ Real-time in gel

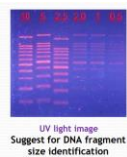


SlimWhite™ for UltraSlim
for protein gel illumination, Coomassie blue
stained / silver stained media



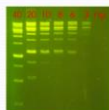
SlimWhite™ (# SW-02)
White light for protein gel illumination,
Coomassie blue stained/ silver stained media

Gel Documentation



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transilluminators



Blue light image
Suggest for DNA cloning, gel
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Syringe Filter

- MCE/CA
- PES/Nylon
- Hydrophilic PVDF
- Hydrophobic PTFE
- Hydrophilic PTFE



Sterile Syringe



4mm



13mm



25mm

Membrane Filter

- MCE/CA
- PES/Nylon
- Hydrophilic PVDF
- Hydrophobic PTFE
- Hydrophilic PTFE



47mm



90mm



142mm



293mm

Vials, Caps & Septa



Plastic Vial



Glass Vial



HPLC Vial



Micro-Vial



Micro-Vial, Amber



Mandrel Interior Glass Vial



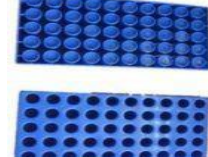
Crimp Top Vial



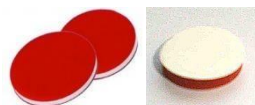
Screw-thread Vial



Glass Test Tube



2, 4 ml Vial Rack



Silicone Septa



Silicone Septa, Screw Cap



Silicone Septa, Crimp Aluminum Cap



Hand Crimper

Vacuum Driven Sterile Filter Cup



Sterile Filter Cup



Glass Filtration Set



Funnel



Sterile Bottle Top Vacuum Filter



Stainless Steel Vacuum Filtration Set

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Laminar Flow Cabinet, Vertical Type



Mini Laminar Flow Cabinet

Autoclave



STB-BZ Series



STB-BB Series



STB-B-2A Series

Liquid Nitrogen Tank



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Liquid Nitrogen Biological Refrigerator

Vacuum Pumps



Diaphragm Vacuum Pump



Bench Water Circulating Vacuum Pump



Water Circulating Vacuum Pump



Oil-free vacuum suction filter pump

Water Bath



WB-S30



WB-10S



Thermostat Water Tank



Water Bath Oscillator



WB-2R4H-15



Diaphragm Vacuum Pump

Incubators



Constant Temperature Humidity Chamber



Drying Oven / Incubator



Shaking Incubator



CO2 Stacked Thermostatic Oscillator



Constant Temperature Shaking Incubator



Horizontal Stacked Thermostatic Oscillator

Electrophoresis Cell



Mini Horizontal Electrophoresis Cell



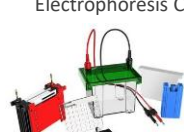
Mini Easy Vertical Electrophoresis Cell



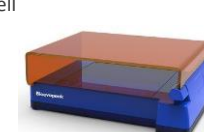
Sequencing Electrophoresis Tank



Electrophoresis Cell, Vertical Type



Mini Transfer Electrophoresis Tank



Horizontal Electrophoresis Cell

Drying Oven



Forced Air Drying Oven



Vacuum Oven



Mini Vacuum Oven



Lab Scale Spray Dryer

Refrigerator & Freezer



2~8°C



-25°C



-86 °C



-150°C Cryogenic Freezer

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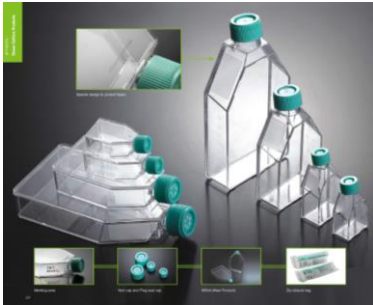
Cell tissue Culture / Microbiology Supply

Cell and Tissue Culture Plates



Non-Treated / Surface-Treated
 4 , 6, 12, 24, 48, 96 well and 96well U

Cell and Tissue Culture Flasks



Non-Treated / Surface-Treated / Vent or Plug cap
 25 , 50, 250, 600, 850 ml

Cell and Tissue Culture Dish



Non-Treated / Surface-Treated
 6, 7, 9, 10, 15 cm



Centrifuge Tube / Microcentrifuge Tube / PCR

Centrifuge Tubes



15 ml, 50 ml (Conical /Self-standing)



Micro centrifuge Tubes

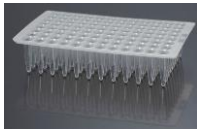


0.5ml, 1.5ml, 2.0ml, 5.0ml

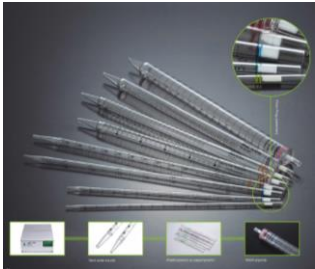
PCR tube / 8 Strips tube



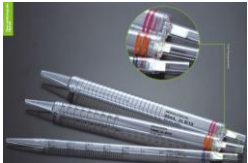
96-well PCR



Serological Pipets



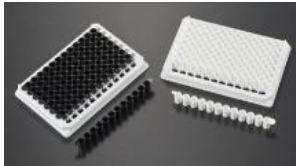
Mini™ Serological pipets



ELISA Plate



Luminescence Test Plates



Plastic Cuvettes



1 ml, 2 ml, 5 ml, 10, 25 ml, 50 ml, 100 ml

ELISA Plates / Serological Pipets



Nabi – UV/VIS Nano Spectrophotometer



Lumi : Single Tube Luminometer



Diamond : Fully Automatic Immuno – Analyzer (ELISA)



WTC 3000 Precision Balance



WTC 2000 Precision Balance



AS220.R2 PLUS Analytical Balance



MA 50/1.R Moisture Analyzer



Real Time PCR brand PCRmax Eco 48 Real Time



Alpha Cyclor 1 PCRmax



Alpha Cyclor 4 PCRmax



Scientific High End Gel Doc Camera
Computer based or Stand alone System



Uvidoc HD6



Uvitec FireReader V10



Laboratory & Biomedical Technology



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Autoclave



Centrifuge



Incubator



Drying Oven

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Extraction Thimbles



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Laboratory Glassware



Bottle



Youility Bottle



Bottle Laboratory wide mouth



PP Screw cap / Pouring ring



Erlenmeyer Flask



Volumetric Flask



Evaprating Flask



Evaporating Dish



Weighing Bottle



Beaker



Cylinder



Desiccator



Burett



Separating funnel



Funnel



Test Tube



Volumetric Pipette



Laboratory Plasticware



Measuring
Cylinder



Beakers



Volumetric
Flask



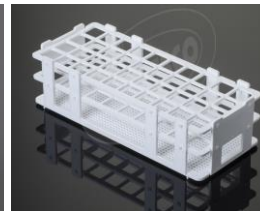
Bottles



Funnel



Petri Dish



Test Tube Stand



Centrifuge
Tubes



Carboy

Laboratory Glassware



Burette



Beakers



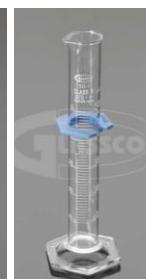
Petri Dish



Bottles



Test Tubes



Measuring
Cylinder



Pipette
Volumetric



Volumetric Flask

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