



Cistron Biologics A.Ş.

PRODUCT CATALOG

“Molecular Research Tools & Partner for Molecular Diagnostics”

Purification Technologies

Enzymes

PCR&Real-Time PCR Products

Cell Biology&Microbiology

Laboratory Reagents&Buffers

Protein Research

Molecular Diagnostics



DNA Purification Technologies

<u>Catalog</u>	<u>Product Name</u>
NAV0116-10	CiS-NA Viral DNA/RNA Kit (10 preps)
NAV0116-50	CiS-NA Viral DNA/RNA Kit (50 preps)
NAV0116-100	CiS-NA Viral DNA/RNA Kit (100 preps)
DF0116-10	CiS-DNA Food DNA Kit (10 preps)
DF0116-50	CiS-DNA Food DNA Kit (50 preps)
DF0116-100	CiS-DNA Food DNA Kit (100 preps)
DM0116-10	CiS-DNA Milk DNA Kit (10 preps)
DM0116-50	CiS-DNA Milk DNA Kit (50 preps)
DM0116-100	CiS-DNA Milk DNA Kit (100 preps)
DSW0116-10	CiS-DNA Swab DNA Kit (10 preps)
DSW0116-50	CiS-DNA Swab DNA Kit (50 preps)
DSW0116-100	CiS-DNA Swab DNA Kit (100 preps)
DS0116-10	CiS-DNA Stool/Soil DNA Kit (10 preps)
DS0116-50	CiS-DNA Stool/Soil DNA Kit (50 preps)
DS0116-100	CiS-DNA Stool/Soil DNA Kit (100 preps)
NASS0116-10	CiS-NA Stool, Swab&Saliva Nucleic Acid Kit (10 preps)
NASS0116-50	CiS-NA Stool, Swab&Saliva Nucleic Acid Kit (50 preps)
NASS0116-100	CiS-NA Stool, Swab&Saliva Nucleic Acid Kit (100 preps)
DB0116-10	CiS-DNA Blood Genomic DNA Kit (10 preps)
DB0116-50	CiS-DNA Blood Genomic DNA Kit (50 preps)
DB0116-100	CiS-DNA Blood Genomic DNA Kit (100 preps)
DC0116-10	CiS-DNA Cell&Tissue DNA Kit (10 preps)
DC0116-50	CiS-DNA Cell&Tissue DNA Kit (50 preps)
DC0116-100	CiS-DNA Cell&Tissue DNA Kit (100 preps)
DP0116-10	CiS-DNA Plant DNA Kit (10 preps)
DP0116-50	CiS-DNA Plant DNA Kit (50 preps)
DP0116-100	CiS-DNA Plant DNA Kit (100 preps)
DGFE0116-50	CiS-DNA Gel DNA Fast Extraction Kit (50 preps)
DGFE0116-100	CiS-DNA Gel DNA Fast Extraction Kit (100 preps)
DPS0116-10	CiS-DNA Plasmid DNA Kit (10 preps)
DPS0116-50	CiS-DNA Plasmid DNA Kit (50 preps)
DPS0116-100	CiS-DNA Plasmid DNA Kit (100 preps)
DBG0116-10	CiS-DNA Bacterial Genomic DNA Kit (10 preps)
DBG0116-50	CiS-DNA Bacterial Genomic DNA Kit (50 preps)
DBG0116-100	CiS-DNA Bacterial Genomic DNA Kit (100 preps)

RNA Purification Technologies

<u>Catalog</u>	<u>Product Name</u>
RST0116-10	CiS-RNA Stool Total RNA Kit (10 preps)
RST0116-50	CiS-RNA Stool Total RNA Kit (50 preps)
RST0116-100	CiS-RNA Stool Total RNA Kit (100 preps)
RPT0116-10	CiS-RNA Plant, Cell&Tissue Total RNA Kit (10 preps)
RPT0116-50	CiS-RNA Plant, Cell&Tissue Total RNA Kit (50 preps)
RPT0116-100	CiS-RNA Plant, Cell&Tissue Total RNA Kit (100 preps)
MRPT0116-10	CiS-RNA miRNA Cell, Tissue&Plant Kit (10 preps)
MRPT0116-50	CiS-RNA miRNA Cell, Tissue&Plant Kit (50 preps)
MRPT0116-100	CiS-RNA miRNA Cell, Tissue&Plant Kit (100 preps)
RB0116-50	CiS-RNA Blood Total RNA Kit (50 preps)
RB0116-100	CiS-RNA Blood Total RNA Kit (100 preps)
T0116-100	CiStrozol (Trizol) solution (100 ml)
TSR0116-50	CiStrozol-Spin Column Total RNA Kit (50 preps)
TSR0116-100	CiStrozol-Spin Column Total RNA Kit (100 preps)

Enzymes

<u>Catalog</u>	<u>Product Name</u>
ET0162-250	Taq polymerase (250 U)
ET0162-500	Taq polymerase (500 U)
EH0162-250	HotStart Taq polymerase (250 rxn)
EH0162-500	HotStart Taq polymerase (500 rxn)
EP0162-250	Pfu polymerase (250 U)
EP0162-500	Pfu polymerase (500 U)
ED0162-10	DNase I, 10 mg (RNase- and protease-free)
ED0162-20	DNase I, 20 mg (RNase- and protease-free)
ED0162-1M	DNase I ready-to-use kit, 1 mg/ml, 1000 µl (RNase-free)
ER0162-25	RNase A, 25 mg (DNase- and protease-free)
ER0162-100	RNase A, 100 mg (DNase- and protease-free)
ER0162-1M	RNase A, 1 mg/ml, 1000 µl (DNase- and protease-free)
ER0162-10M	RNase A, 10 mg/ml, 1000 µl (DNase- and protease-free)
EPR0162-10	Proteinase K, 10 mg
EPR0162-25	Proteinase K, 25 mg
EPR0162-50	Proteinase K, 50 mg
EPR0162-10M	Proteinase K, 10 mg/ml, 1000 µl
EPR0162-20M	Proteinase K, 20 mg/ml, 1000 µl

PCR & Real-time PCR Master Mixes

<u>Catalog</u>	<u>Product Name</u>
PM16-50	2x PCR Master Mix (50 rxn)
PM16-250	2x PCR Master Mix (250 rxn)
PM16-500	2x PCR Master Mix (500 rxn)
PMH16-250	2x HotPCR Master Mix (250 rxn)
PMH16-500	2x HotPCR Master Mix (500 rxn)
PMH16-5000	2x HotPCR Master Mix (5000 rxn)
PMHF16-100	2x High Fidelity PCR Master Mix (100 rxn)
PMHF16-250	2x High Fidelity PCR Master Mix (250 rxn)
PMR16-250	2x Real-time PCR Master Mix (250 rxn)
PMR16-500	2x Real-time PCR Master Mix (500 rxn)
PMR16-2500	2x Real-time PCR Master Mix (5 x 500 rxn)
PMR16-250L	2x Real-time PCR Master Mix, Low ROX (250 rxn)
PMR16-500L	2x Real-time PCR Master Mix, Low ROX (500 rxn)
PMR16-2500L	2x Real-time PCR Master Mix, Low ROX (5 x 500 rxn)
PMR16-250H	2x Real-time PCR Master Mix, High ROX (250 rxn)
PMR16-500H	2x Real-time PCR Master Mix, High ROX (500 rxn)
PMR16-2500H	2x Real-time PCR Master Mix, High ROX (5 x 500 rxn)
PPMR16-100	2x Rapid Probe Master Mix (100 rxn)
PPMR16-250	2x Rapid Probe Master Mix (250 rxn)
PPMR16-500	2x Rapid Probe Master Mix (500 rxn)

<u>Catalog</u>	<u>Product Name</u>
PRC16-50	Rapid cDNA synthesis kit (50 rxn)
PRC16-100	Rapid cDNA synthesis kit (100 rxn)
PRC16-200	Rapid cDNA synthesis kit (200 rxn)
PRMC16-25	Rapid miRNA cDNA synthesis kit (25 rxn)
PRMC16-50	Rapid miRNA cDNA synthesis kit (50 rxn)
PRMC16-100	Rapid miRNA cDNA synthesis kit (100 rxn)
POMR16-100	2X One-Step qRT-PCR (SYBR Green) Kit (100 rxn)
POMR16-250	2X One-Step qRT-PCR (SYBR Green) Kit (250 rxn)
POMR16-500	2X One-Step qRT-PCR (SYBR Green) Kit (500 rxn)
POMR16-100L	2X One-Step qRT-PCR (SYBR Green) Kit, Low ROX (100 rxn)
POMR16-250L	2X One-Step qRT-PCR (SYBR Green) Kit, Low ROX (250 rxn)
POMR16-500L	2X One-Step qRT-PCR (SYBR Green) Kit, Low ROX (500 rxn)
POMR16-100H	2X One-Step qRT-PCR (SYBR Green) Kit, High ROX (100 rxn)
POMR16-250H	2X One-Step qRT-PCR (SYBR Green) Kit, High ROX (250 rxn)
POMR16-500H	2X One-Step qRT-PCR (SYBR Green) Kit, High ROX (500 rxn)
PMC16-25M	MgCl ₂ solution (25 mM), 1 ml
PDN16-10MM	dNTP mix (10 mM each), 1 ml
PCB16-10X	10X PCR Reaction Buffer (w/o MgCl ₂), 1 ml

Cell Biology&Microbiology

<u>Catalog</u>	<u>Product Name</u>
CBAE01-20	Cell Viability/Apoptosis Dual Kit (20 tests)
CBAE01-40	Cell Viability/Apoptosis Dual Kit (40 tests)
CBTB01-100	Trypan blue (0.4%), ready-to-use solution (100 ml)
CBCK01-100	CKK-8 Cell Counting Kit (100 tests)
CBAB01-25	Alamar Blue (10X), ready-to-use solution (25 ml)
CBKM01-5G	Kanamycin sulfate, 5 g (for microbiology applications)
CBAM01-5G	Ampicillin, 5 g (for microbiology applications)
CBGE01-100	G418 (Geneticin), 100 mg
CBTR01-500	Tryptone, 500 g (microbiology grade)
CBYE01-500	Yeast Extract, 500 g (microbiology grade)
CBLB01-500	LB (Miller's LB), 500 g (microbiology grade)
CBLB02-500	LB (Lennox), 500 g (microbiology grade)
CBLB03-500	LB (Low-Salt), 500 g (microbiology grade)
CBAG01-500	Agar agar (bacteriological), 500 g

<u>Catalog</u>	<u>Product Name</u>
CBFB01-50	Fetal Bovine Serum (FBS), 50 ml, sterile, for cell culture
CBFB01-100	Fetal Bovine Serum (FBS), 100 ml, sterile, for cell culture
CBFB01-500	Fetal Bovine Serum (FBS), 500 ml, sterile, for cell culture
CBIP01-5	IPITG, 5g
CBTE01-100	Trypsin-EDTA (0.25%), with phenol red, 100 ml
CBTEP01-100	Trypsin-EDTA (0.25%), without phenol red, 100 ml
CBPS01-100	Penicillin-Streptomycin, 100 ml
CBPS01-100A	Antibiotic-Antimycotic (100X), 100 ml
CBLG01-100	L-glutamine, 200 mM (for cell culture), 100 ml
CBLPF01-1ML	Cis-PEI Transfection Reagent, 1 ml

Protein Research

<u>Catalog</u>	<u>Product Name</u>
LRB08-100	RIPA Buffer (100 ml)
LRB08-100N	Non-Denaturing RIPA Buffer (100 ml)
LRB08-50CK	RIPA Buffer Plus Complete Kit (50 ml)
LRB08-100CK	RIPA Buffer Plus Complete Kit (100 ml)
LRB08-50PI	Protease Inhibitor Cocktail (50 tests)
LRB08-100PI	Protease Inhibitor Cocktail (100 tests)
LRB09-15	2x Laemmli Buffer (15 ml)
LRB09-10	4x Laemmli Buffer (10 ml)
LRB10-500	10X SDS-PAGE Running Buffer (500 ml)
LRB10-1000	10X SDS-PAGE Running Buffer (1000 ml)
LRB10-5002	10X Tris-Glycine Buffer (500 ml)
LRB10-10002	10X Tris-Glycine Buffer (1000 ml)
LRB17-250	ECL chemiluminescent kit (250 ml)
LRB17-100	Super ECL chemiluminescent kit (100 ml)
LRB19-500	Skim Milk Powder (500 g)
LRB22-100	Acrylamide/Bis-Acrylamide solution (30%, 29:1) (100 ml)
LRB22-1002	Acrylamide/Bis-Acrylamide solution (30%, 37.5:1) (100 ml)
LRB22-1003	Acrylamide/Bis-Acrylamide solution (30%, 19:1) (100 ml)
LRB22-1004	Acrylamide/Bis-Acrylamide solution (40%, 29:1) (100 ml)
LRB22-1005	Acrylamide/Bis-Acrylamide solution (40%, 37.5:1) (100 ml)
LRB22-1006	Acrylamide/Bis-Acrylamide solution (40%, 19:1) (100 ml)
LRB22-500	Acrylamide/Bis-Acrylamide solution (30%, 29:1) (500 ml)
LRB22-5002	Acrylamide/Bis-Acrylamide solution (30%, 37.5:1) (500 ml)
LRB22-5003	Acrylamide/Bis-Acrylamide solution (30%, 19:1) (500 ml)
LRB22-5004	Acrylamide/Bis-Acrylamide solution (40%, 29:1) (500 ml)
LRB22-5005	Acrylamide/Bis-Acrylamide solution (40%, 37.5:1) (500 ml)
LRB22-5006	Acrylamide/Bis-Acrylamide solution (40%, 19:1) (500 ml)
LRB24-500	Ponceau S, ready to use solution (500 ml)
LRB25-500	Bradford reagent (500 ml)
LRB25-500K	Bradford protein assay kit (2000 tests)
PRT09-500	BCA Protein Assay Kit (500 tests)
PRT09-2500	BCA Protein Assay Kit (2500 tests)
LRB28-180	Prestained protein marker, 10-180 kDa
LRB28-250	Prestained protein marker, 10-250 kDa

<u>Catalog</u>	<u>Product Name</u>
LRB29-500	TBS 10X (500 ml), pH: 7.6
LRB29-500T	TBS-T 10X (500 ml), pH: 7.6
LRB30-500	TBS 20X (500 ml), pH: 7.6
LRB30-500T	TBS-T 20X (500 ml), pH: 7.6
LRB31-22	NC (Nitrocellulose) Transfer Membrane, Pore: 0.22µm
LRB31-45	NC (Nitrocellulose) Transfer Membrane, Pore: 0.45µm
LRB32-22	PVDF (Polyvinylidene Fluoride) Transfer Membrane, 0.22µm
LRB32-45	PVDF (Polyvinylidene Fluoride) Transfer Membrane, 0.45µm
PRT01-100	10% SDS Solution (100 ml), for molecular applications
PRT01-500	10% SDS Solution (500 ml), for molecular applications
PRT01-100G	Sodium Dodecyl Sulfate (100 g), Molecular Grade (>99.5%)
PRT02-500	1 M Tris, pH: 6.8 (500 ml), for molecular applications
PRT02-1000	1 M Tris, pH: 6.8 (1000 ml), for molecular applications
PRT02-500E	1 M Tris, pH: 7.4 (500 ml), for molecular applications
PRT02-1000E	1 M Tris, pH: 7.4 (1000 ml), for molecular applications
PRT03-500	1 M Tris, pH: 8.8 (500 ml), for molecular applications
PRT03-1000	1 M Tris, pH: 8.8 (1000 ml), for molecular applications
PRT03-500E	1 M Tris, pH: 8.0 (500 ml), for molecular applications
PRT03-1000E	1 M Tris, pH: 8.0 (1000 ml), for molecular applications
PRT03-500G	Tris Base (500 g), Molecular Grade (>99.5%)
PRT03-1000G	Tris Base (1 kg), Molecular Grade (>99.5%)
PRT03-500GH	Tris-HCl (500 g), Molecular Grade (>99.5%)
PRT04-500	Glycine (500 g), Molecular Grade (≥99.0%)
PRT04-1000	Glycine (1000 g), Molecular Grade (≥99.0%)
PRT05-500	EDTA (Disodium Salt, Dihydrate), 500 g, Mol. Grade
PRT05-1000	EDTA (Disodium Salt, Dihydrate), 1000 g, Mol. Grade
PRT06-200	His-Tag Antibody, 200 µl (mouse monoclonal)
PRT07-100	Goat Anti-Mouse IgG (H+L) AP Conjugate, 100 µl
PRT08-100	BCIP/NBT Alkaline Phosphatase Colorimetric Kit (100 ml)

Laboratory Reagents&Buffers

<u>Catalog</u>	<u>Product Name</u>	<u>Catalog</u>	<u>Product Name</u>
LRB01-500	TBE 10X (500 ml)	LRB13-500	Triton X-100 (500 ml)
LRB01-1000	TBE 10X (1000 ml)	LRB14-100	Dimethyl sulfoxide (100 ml)
LRB02-500	TAE 50X (500 ml)	LRB14-500	Dimethyl sulfoxide (500 ml)
LRB02-1000	TAE 50X (1000 ml)	LRB15-100	Dimethyl sulfoxide, sterile-filtered (100 ml)
LRB02-50010	TAE10X (500 ml)	LRB16-100	Agarose (100 g)
LRB02-100010	TAE10X (1000 ml)		
LRB03-500	DNA Loading Dye Green-Blue (0.5 ml) 6X	LRB18-250	MTT (250 mg)
LRB03-100	DNA Ladder, 100-1500 bp	LRB18-1	MTT (1 g)
LRB03-1000	DNA Ladder, 1000-10000 bp	LRB18-5	MTT (5 g)
LRB03-1ML	DNA-RNA Gel Stain Solution (Ethidium Bromide), 1 ml	LRB20-250	RNA&DNA extermimator (250 ml)
LRB03-5ML	DNA-RNA Gel Stain Solution (Ethidium Bromide), 5 ml	LRB21-500	Tween 80 (500 ml)
LRB03-10ML	DNA-RNA Gel Stain Solution (Ethidium Bromide), 10 ml	LRB21-50020	Tween 20 (500 ml)
LRB04-30	Molecular Grade (Nuclease-free) ultra-pure water (30ml)	LRB23-500	Glycerol (High pure, 500 ml)
LRB04-100	Molecular Grade (Nuclease-free) ultra-pure water (100ml)	LRB26-500L	TE (Low EDTA) 1X (500 ml), pH: 8.0
LRB04-500	Molecular Grade (Nuclease-free) ultra-pure water (500ml)	LRB26-001X	TE 1X (1000 ml), pH: 8.0
LRB04-1000	Molecular Grade (Nuclease-free) ultra-pure water (1000ml)	LRB26-1000	TE 100X (1000 ml), pH: 8.0
LRB05-100	PBS Tablets (100 x 1 g tablets)	LRB33-05	Bovine Serum Albumin (BSA), Nuclease- and Protease-free, 5 g
LRB05-500	PBS 1X (500 ml), pH: 7.4	LRB33-10	Bovine Serum Albumin (BSA), Nuclease- and Protease-free, 10 g
LRB05-1000	PBS 1X (1000 ml), pH: 7.4	LRB33-25	Bovine Serum Albumin (BSA), Nuclease- and Protease-free, 25 g
LRB05-50010	PBS 10X (500 ml), pH: 7.4	LRB33-1ML	Bovine Serum Albumin (BSA) Standard Sol., 2 mg/ml, 1 ml
LRB05-100010	PBS 10X (1000 ml), pH: 7.4	LRB33-10ML	Bovine Serum Albumin (BSA) Standard Sol., 2 mg/ml, 10x1 ml
LRB05-500D	DPBS 1X (500 ml), pH: 7.4		
LRB06-5	DEPC-treated water (5x1ml)	LRB36-1000	Sodium Chloride, 1 kg. Molecular Biology Grade (≥99.5)
LRB07-100	RNA defendo (100 ml)		

Molecular Diagnostics

<u>Catalog</u>	<u>Product Name</u>
MD01-50	CiS-Myco Mycoplasma Real-Time PCR Kit (50 tests)
MD01-100	CiS-Myco Mycoplasma Real-Time PCR Kit (100 tests)
MPD01-50	CiS-Myco Mycoplasma Probe qPCR Kit (50 tests)
MPD01-100	CiS-Myco Mycoplasma Probe qPCR Kit (100 tests)

Purification Technologies

CiS-DNA Purification Kits

CiS-NA Viral DNA/RNA Kit

*CiS-NA Viral DNA/RNA Kit is designed for a high-yield total DNA&RNA isolation from viral load and host with variable lengths (from small fragments to intact genomic DNA and total RNA) from serum, plasma, urine, supernatants of cell culture and body fluids from buccal, oropharyngeal, nasal, vaginal, urethral, and other mucosal tissues. 10, 50, and 100 preps are available. Please order: **NAV0116-10, NAV0116-50, NAV0116-100.***

CiS-DNA Food DNA Kit

*Designed for high-yield, pure, and intact DNA preparation from a large scale of foods and processed foods including chocolate, cocoa and starch powders, cereals, legumes and biscuits, cream and milk, ketchup, meat and animal feeds. 10, 50, and 100 preps are available. Please order: **DF0116-10, DF0116-50, DF0116-100.***

CiS-DNA Milk DNA Kit

*Designed for intact and pure DNA preparation from dairy/fresh milk samples or fragmented and intact DNA molecules from processed/pasteurized milk samples containing highly processed, fatty, acidic, high or low DNA content. 10, 50, and 100 preps are available. Please order: **DM0116-10, DM0116-50, DM0116-100.***

CiS-DNA Swab DNA Kit

*Designed for rapid and safe isolation of high-yield, pure, and intact DNA from the swabs (or plastic shafts, cotton, and other types) collected from buccal, oropharyngeal, nasal, vaginal, urethral, and other mucosal tissues without using hazardous chemicals (phenol, chloroform, acid, etc.). CiS-DNA Swab DNA kit can extract human DNA and pathogen bacteria/viral nucleic acids from fresh, wet, or air-dried swab samples or stored samples at -80 °C. The isolated DNA mix is fully compatible with downstream applications including qPCR, PCR, NGS and microarray. 10, 50, and 100 preps are available. Please order: **DSW0116-10, DSW0116-50, DSW0116-100.***

CiS-DNA Stool/Soil DNA Kit

*Designed for simultaneous isolation of host cell and microorganism DNA from human or animal feces samples or from soil samples without PCR inhibitors, especially humic acid and other organic compounds and residues by the help of our special formula. The isolated DNA mix is fully compatible with downstream applications including qPCR, PCR, NGS and microarray. 10, 50, and 100 preps are available. Please order: **DS0116-10, DS0116-50, DS0116-100.***

CiS-NA Stool, Swab&Saliva Nucleic Acid Kit

*CiS-NA Stool, Swab&Saliva Nucleic Acid Kit is designed for a high-yield total nucleic acid (DNA&RNA) isolation from host and microorganism without PCR inhibitors, i.e. humic acid and other organic compounds and residues. Our kit can extract DNA/RNA from gut microbiota (Shigella, Helicobacter, Clostridium, Salmonella, E. coli, Yersinia, Entamoeba, Giardia, Campilobacter, etc.) collected as stool, swab or saliva samples from buccal, oropharyngeal, nasal, vaginal, urethral, and other mucosal tissues. Please order: **NASS0116-10, NASS0116-50, NASS0116-100***

CiS-DNA Blood Genomic DNA Kit

*Designed for high-yield, pure, and intact DNA preparation from whole blood from any animal. 10, 50, 100, and 250 preps are available. Please order: **DB0116-10, DB0116-50, DB0116-100.***

CiS-DNA Cell&Tissue DNA Kit

*Designed for high-yield, pure, and intact DNA from the tissue of any animals (metazoa kingdom) without using hazardous chemicals. Please order: **DC0116-10, DC0116-50, DC0116-100.***

CiS-DNA Plant DNA Kit

*Highly efficient cell disruption and high-quality DNA purification even from the toughest leaves and seeds of any plant species. Please order: **DP0116-10, DP0116-50, DP0116-100.***

CiS-DNA Plasmid DNA Kit

*High-pure and transfection-grade plasmid purification for both high- and low-copy vectors. Please order: **DPS0116-10, DPS0116-50, DPS0116-100.***

CiS-DNA Bacterial Genomic DNA Kit

*Designed for high-yield, pure, and intact DNA from Gram (-) and Gram (+) bacteria without using hazardous chemicals. Please order: **DBG0116-10, DBG0116-50, DBG0116-100.***



Purification Technologies

CiS-RNA Purification Kits

CiS-RNA Plant, Cell&Tissue Total RNA Kit

For high-pure and intact RNA from any plant species' toughest leaves and seeds, and the tissue of any animals (metazoa kingdom) without using hazardous chemicals. Please order: **RPT0116-10, RPT0116-50, RPT0116-100.**

CiS-RNA Stool Total RNA Kit

CiS-RNA Stool Total RNA Kit is designed for a high-yield and intact RNA isolation from gut microorganisms (Shigella, Helicobacter, Clostridium, Salmonella, E. coli, Yersinia, Entamoeba, Giardia, Campilobacter, etc.) without PCR inhibitors, i.e. humic acid and other organic compounds and residues. Please order: **RST0116-10, RST0116-50, RST0116-100.**

CiS-RNA Blood Total RNA Kit

Designed for high amount of high-pure and intact total RNA preparation from whole blood from any animal. 50, and 100 preps are available. Please order:

RB0116-50, RB0116-100.

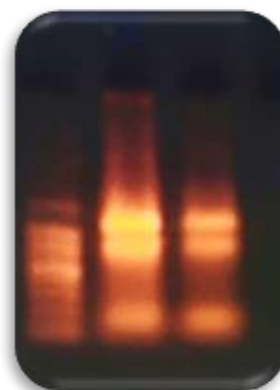
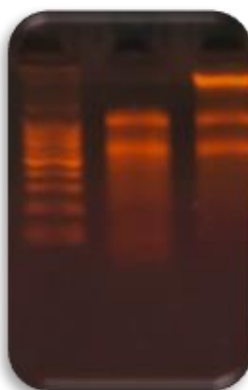
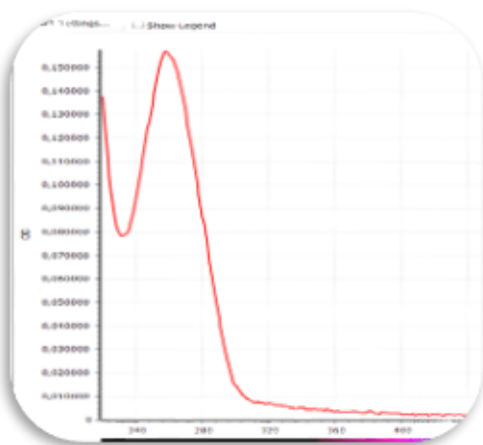
CiStrozol-Spin Column Total RNA Kit

CiStrozol-Spin Column Total RNA Kit helps you prepare high-yield bulk and intact RNA from any plant and animal species, cell culture, fungal samples, and other species. **TSR0116-50, TSR0116-100.**

CiStrozol (Trizol) Reagent

A ready-to-use reagent for extracting high-yield, pure, and intact RNA, DNA, and protein from various samples including animal and plant tissue, cell culture, bacteria, and fungal samples within minutes.

Please order: **T0116-100.**



Enzymes & Master Mixes

Enzymes

Taq polymerase

Designed in our laboratory for high-performance amplification of DNA fragments. Our enzyme generates PCR products up to 5 kb with 3'-dA overhangs suitable for TA cloning. 10X Taq Buffer and 25 mM MgCl₂ are included. Please order: **ET0162-250, ET0162-500**

HotStart Taq polymerase

Designed by our dedicated bioengineers for high specificity and sensitivity in molecular diagnostics and routine PCR reactions. Please order: **EH0162-250, EH0162-500**

Pfu polymerase

Designed in our laboratory for the amplification of long DNA fragments up to 9-10 kb suitable for cloning experiments. 10X PCR Buffer and 25 mM MgCl₂ are included. Please order: **EP0162-250, EP0162-500**

DNase I (RNase- and protease-free)

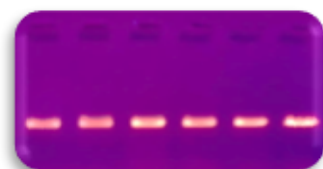
Our recombinant DNase I enzyme shows endonuclease activity digesting single- and double-stranded DNA molecules. The enzyme is available 10 mg and 20 mg, also, a ready-to-use 1 mg/ml DNase I kit supplied with 10X reaction buffer and 50 mM EDTA in separated vials. Please, order: **ED0162-10, ED0162-20, ED0162-1M**

RNase A (DNase- and protease-free)

Recombinant RNase A is an endoribonuclease digesting phosphodiester bonds between nucleotides in single- and double-stranded RNA molecules or RNA-DNA hybrids at low salt concentrations, though it only degrades single-stranded RNA when high salt-containing buffers are used. 25 mg and 100 mg, also, ready-to-use enzyme solutions prepared as 1 mg/ml and 10 mg/ml are on our stores. Please, order: **ER0162-25, ER0162-100, ER0162-1M, ER0162-10M**

Proteinase K (DNase- and RNase-free)

Our recombinant Proteinase K is a serine protease digesting peptide bonds at the carboxylic acid sites of amino acids. This enzyme is perfectly used for purification of nucleic acids from cell lines, tissues or plants etc. 10 mg, 25 mg, 50 mg, and also, 10 mg/ml and 20 mg/ml ready-to-use solutions are on our stores. Please, order: **EPR0162-10, EPR0162-25, EPR0162-50, EPR0162-10M, EPR0162-20M**



Enzymes & Master Mixes

Master Mixes

2x PCR Master Mix

Ready to use optimized PCR mix for your efficient and reproducible amplification reactions up to 7 kb. This master mix reduces the preparation time and prevents PCR inhibitors from any source. Please, order: **PM16-50, PM16-250, PM16-500**.

2x HotPCR Master Mix

Ready to use optimized Hotstart PCR mix for your high specific, ultra sensitive and reproducible amplification reactions up to 7 kb. This master mix reduces the preparation time and prevents PCR inhibitors from any source. Please, order: **PMH16-250, PMH16-500, PMH16-5000**.

2x High Fidelity PCR Master Mix

Cistron High Fidelity DNA polymerase enzyme is a high fidelity, reliable, and cost-effective long PCR enzyme and now available as a ready-to-use High Fidelity Master Mix containing special HiFi buffer, salts and dNTPs. Please, order: **PMHF16-100, PMHF16-250**.

2x Real-time PCR Master Mix

Optimized universal real-time PCR mix containing SYBR Green I. Compatible with different melting temperatures and primer concentrations. Master mix contains no, low or high concentration of ROX dye as passive reference. Available with catalog numbers: **PMR16-250, PMR16-500, PMR16-2500, PMR16-250L, PMR16-500L, PMR16-2500L, PMR16-250H, PMR16-500H, PMR16-2500H**.

2x Rapid Probe Master Mix (100 rxn)

Highly sensitive, specific, rapid, optimized, reproducible, and cost-effective quantitative experiments are now available. 2x Rapid Probe Master Mix is a concentrated master mix and the researcher only needs to add gene-specific primers, probes and nuclease-free water. The ready-to-use master mix contains dNTP mix, $MgCl_2$, and Hotstart Taq polymerase. Available with catalog numbers: **PPMR16-100, PPMR16-250, PPMR16-500**

2X One-Step qRT-PCR (SYBR Green) Kit

A new solution for your one-step real-time PCR analysis: Sensitive, specific, rapid and reproducible. Result in less than 50 minutes. Strand synthesis in 5 minutes, following one minute activation, and a fast SYBR Green Real-Time PCR. Master mix contains no, low or high concentration of ROX dye as passive reference. Available with catalog numbers: **POMR16-100, POMR16-250, POMR16-500, POMR16-2500, POMR16-100L, POMR16-250L, POMR16-500L, POMR16-2500L, POMR16-100H, POMR16-250H, POMR16-500H, POMR16-2500H**.

Rapid cDNA synthesis kit

High yield of full-length cDNA product can be used for PCR, gene expression and real-time PCR experiments. Please, order: **PRC16-50, PRC16-100**.

Rapid miRNA cDNA synthesis kit

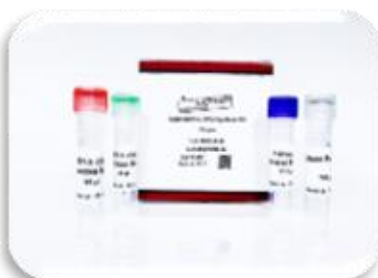
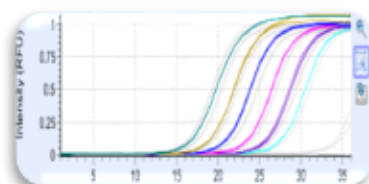
Rapid miRNA cDNA Synthesis Kit is composed of a special mixture of reaction buffer containing dNTP, ATP, oligo d(T)-adapter, universal reverse primer, RNase inhibitor, a special enzyme Reverse Transcriptase, and Poly(A) Polymerase. The reaction buffer is optimized for both adenylation and complementary DNA synthesis. Our miRNA cDNA Synthesis kit is produced as all-in-one kit and helps researchers by saving time while avoiding pipetting errors. Please, order: **PRMC16-25, PRMC16-50, PRMC16-100**

PCR Buffers and Reagents

MgCl₂ solution (25 mM), 1 ml. PMC16-25M

dNTP mix (10 mM each), 1 ml. PDN16-10MM

10X PCR Reaction Buffer (w/o MgCl₂), 1 ml. PCB16-10X



Cell Biology&Microbiology

Cell viability and apoptosis research tools

Cell Viability/Apoptosis Dual kit

Fully designed in-house viability/apoptosis diagnosis kit containing cationic fluorescent dye mix. There is no need to expensive and time-consuming antibody-based applications. Suitable for both fluorescent preparations and flow cytometry applications. Please, order: **CBAE01-20, CBAE01-40**

Trypan Blue, ready to use solution (0.4%)

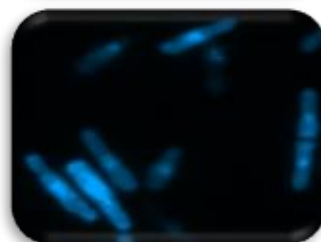
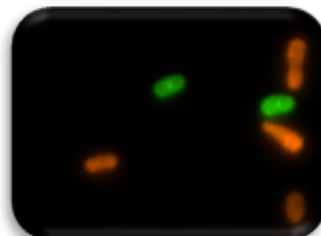
Trypan Blue solution is a ready to use solution for direct, quick and accurate cell viability and counting applications without need for a dilution. Please, order: **CBTB01-100**

CCK-8 Cell Counting Kit

Cistron Biologics CCK-8 Cell Counting Kit is a sensitive and convenient method for cell proliferation and cytotoxicity analysis. The assay principle is based on WST-8's [2-(2-methoxy-4-nitrophenyl)-3-(4-nitrophenyl)-5-(2, 4-disulphophenyl)-2H-tetrazolium, monosodium salt] ability to produce a water-soluble formazan dye upon reduction in the presence of an electron carrier by metabolically active cells. Please, order: **CBCK01-100**

DAPI ApoptEasy Ready to Use Kit

Optimized ready to use fluorescent DAPI staining kit for fluorescent microscopy to visualize cell nucleus. By using our one-step DAPI ApoptEasy kit, now it is much easier and cheaper to analyze the apoptosis state of the cell. Please, order: **CBDP01-20, CDBP01-40**



Cell culture and microbiology solutions

Kanamycin sulfate, 5 g (for microbiology applications). **CBKM01-5G**

Ampicillin, 5 g (for microbiology applications). **CBAM01-5G**

G418 (Geneticin), 100 mg. **CBGE01-100**

Tryptone, 500 g (microbiology grade). **CBTR01-500**

Yeast Extract, 500 g (microbiology grade). **CBYE01-500**

LB (Luria-Bertani), 500 g (microbiology grade). **CBLB01-500**

Agar agar (bacteriological), 500 g. **CBAG01-500**

Fetal Bovine Serum (FBS), sterile, for cell culture. Available volumes: 50 ml, 100 ml and 500 ml. **CBFB01-50, CBFB01-100, CBFB01-500**

IPTG, 5g. **CBIP01-5**

Trypsin-EDTA (0.25%), with phenol red, 100 ml. **CBTE01-100**

Trypsin-EDTA (0.25%), without phenol red, 100 ml. **CBTEP01-100**

Penicillin-Streptomycin, 100 ml. **CBPS01-100**

L-glutamine, 200 mM (for cell culture), 100 ml. **CBLG01-100**

Cis-PEI Transfection Reagent, 1 ml.. **CBLPF01-1ML**



Protein Research

RIPA Buffer, Non-denaturing RIPA Buffer & RIPA Buffer Plus Complete Kit

RIPA Buffer quickly and effectively lyses and extracts proteins from cultured cells. RIPA Buffer is used for extraction of proteins localized in membrane, cytoplasm and nucleus. Non-denaturing RIPA Buffer does not contain ionic detergents and enables the purification of intact and biologically active proteins. This buffer is suitable for reporter assays, protein assays, and immunoassays. Our superior product RIPA Buffer Plus Complete Kit is a ready to use kit containing PMSF, sodium orthovanadate, and protease inhibitor cocktail. Please order: **LRB08-100, LRB08-100N, LRB08-50CK, LRB08-100CK**

2X & 4X Laemmli Buffers

Our Laemmli Buffers are capable of optimal band resolution in protein analysis with SDS-PAGE application and compatible with our SDS-PAGE Buffer system. Please, order: **LRB09-15, LRB09-10**

10X SDS-PAGE Running Buffer

10X SDS-PAGE Running Buffer is an ideal concentrated solution for preparing ready-to-use 1X SDS-PAGE Running Buffer (pH: 8.3). 10X SDS-PAGE Running Buffer contains 250 mM Tris, 1.92 M glycine, and 1% SDS. Our SDS-PAGE Running Buffer is prepared with apyrogen ultra-pure and DNase-RNase-protease-free water and sterile-filtered. Please, order: **LRB10-500, LRB10-1000**

10X Tris-Glycine Buffer

Sterile-filtered 10X Tris-Glycine Buffer is used as transfer buffer for western blot or native protein gel electrophoresis. 10X Tris-Glycine Buffer contains 250 mM Tris and 1.92 M glycine. Our buffer is prepared with apyrogen ultra-pure and DNase-RNase-protease-free water and sterile-filtered. Please, order: **LRB10-5002, LRB10-100002**

ECL Chemiluminescent Kit

ECL Chemiluminescent Kit is used for high-sensitive chemiluminescence-based immunodetection of HRP western blot or dot blot applications. This kit provides luminol (Reagent A) and enhancer (Reagent B) in separate bottles. Our ECL kit is suitable for both nitrocellulose and PVDF membranes. Please, order: **LRB17-250**

Skim Milk Powder (Non-fat)

Our skim milk powder is a non-fat, protease-free dried powder suitable for western blotting applications. Please, order: **LRB19-500**

Acrylamide/Bis-acrylamide solutions (30 & 40% solutions) (100 ml & 500 ml)

Our protease-free Acrylamide/Bis-acrylamide solution is used as a constituent in the preparation of PAGE gel electrophoresis. Most common acrylamide/bis-acrylamide ratios (30% 29:1, 37.5:1, and 19:1; 40% 29:1, 37.5:1, and 19:1) are prepared as DNase-RNase-protease-free, sterile-filtered clear products. Please, order: **LRB22-100, LRB22-1002, LRB22-1003, LRB22-1004, LRB22-1005, LRB22-1006, LRB22-500, LRB22-5002, LRB22-5003, LRB22-5004, LRB22-5005, LRB22-5006**

Ponceau S, ready to use solution (500 ml)

Ponceau S solution is a ready to use solution for direct use in western blotting applications. Ponceau S solution (0.1%) is prepared in 5% acetic acid. Please, order: **LRB24-500**



Protein Research

Bradford reagent (500 ml) & Bradford protein assay kit

Cistron Biologics Bradford Protein Assay Kit is a ready-to-use Coomassie-Bradford colorimetric method for total protein analysis. Coomassie dye binds proteins in an acidic medium, followed by a quick shift in absorption maximum from 465 nm to 595 nm, with an accompanying color change from brown to blue. Cistron Biologics Bradford Protein Assay Kit contains sufficient reagents for 340 test tube assays or at least 2000 microplate assays. Please, order: **LRB25-500, LRB25-500K**

BCA Protein Assay Kit (500 tests & 2500 tests)

Cistron Biologics BCA Protein Assay Kit is a detergent-compatible colorimetric method based on bicinchoninic acid (BCA) for total protein analysis. Our BCA kit provides a wide working range (5-2000 µg/ml) with a micro plate application. Please, order: **PRT09-500, PRT09-2500**

Prestained protein marker (10-180 kDa & 10-250 kDa)

Cistron Prestained Protein Markers are composed of eleven highly purified and prestained recombinant proteins from 10 kDa to 250 kDa. Our markers present protein molecular weight standards for SDS-PAGE and Western Blot applications. Please, order: **LRB28-180, LRB28-250**

TBS 10X & 20X (500 ml), pH: 7.6.

Cistron Tris-buffered saline (TBS, 10X) pH 7.6 contains 250 mM Tris, 27 mM KCl, and 1.37 M NaCl. Please, order: **LRB29-500**

Cistron Tris-buffered saline (TBS, 20X) pH 7.6 contains 500 mM Tris, 54 mM KCl, and 2.74 M NaCl. Please, order: **LRB30-500**

TBS-T 10X & 20 X (500 ml), pH: 7.6.

TRIS-buffered saline with 1% Tween 20 solution is used as a wash buffer and for sample preparation in general immunoassay applications, Tween 20 reduces nonspecific binding and protein: protein interactions.

Cistron 10X TBS-T (pH 7.6) contains 250 mM Tris, 27 mM KCl, 1.37 M NaCl, and 1% Tween 20. Please, order: **LRB29-500T**

Cistron 20X TBS-T (pH 7.6) contains 500 mM Tris, 54 mM KCl, 2.74 M NaCl, and 1% Tween 20. Please, order: **LRB30-500T**

NC (Nitrocellulose) Transfer Membrane, Pore: 0.22µm & 0.45µm.

Nitrocellulose is a strong binding matrix for western blotting with its high affinity for proteins and compatible with a wide variety of detection methods (western blotting, dot-blot assays, and other protein). The 0.45-µm pore size is well-suited for a wide range of western blotting conditions and ideal for the transfer of most proteins (> 20 kDa) and nucleic acids (> 300 bp). The 0.2-µm pore size is well-suited for western blotting, and this smaller pore size is ideal for the transfer of low molecular weight proteins or peptides and nucleic acids (< 300 bp). Please, order: **LRB31-22, LRB31-45**

PVDF (Polyvinylidene Fluoride) Transfer Membrane Pore: 0.22µm & 0.45µm.

PVDF Transfer Membranes are made of high-quality polyvinylidene difluoride and provide high binding capacity for proteins and nucleic acids for Western, Southern, and Northern Blotting methods. The 0.45-µm pore size is well-suited for a wide range of western blotting conditions and ideal for transfer of proteins > 10 kDa. The 0.2-µm pore size is ideal for protein analysis of small amounts of proteins (as little as 10 pmol), amino acid analysis, and transfer of small molecular weight proteins and peptides. Please, order: **LRB32-22, LRB32-45**

10% SDS Solution (100 ml & 500 ml), for molecular applications.

Molecular grade 10% SDS solutions (100 and 500 ml) are supplied nuclease- and protease-free. SDS is used as a component of both hybridization and wash buffers for northern and Southern blots and has many other uses around the lab. Please, order: **PRT01-100, PRT01-500**

Sodium Dodecyl Sulfate (100 g), Molecular Grade (>99.5%).

Our ultra-pure Sodium dodecyl sulfate (SDS) is a popular anionic detergent for routine protein electrophoresis and cell lysis methods. Please, order: **PRT01-100G**



Protein Research

1 M Tris, pH: 6.8 (500 ml & 1000 ml), for molecular applications.

Our nuclease- and protease-free sterile-filtered Tris buffer pH: 6.8 is used for protein and nucleic acid studies, SDS-PAGE, and other electrophoresis applications with its high buffering capacity. Please, order: **PRT02-500, PRT02-1000**

1 M Tris, pH: 8.8 (500 ml & 1000 ml), for molecular applications.

Cistron Biologics' nuclease- and protease-free sterile-filtered Tris buffer pH: 8.8 is used for stabilizing and storing proteins and nucleic acids, SDS-PAGE, and other electrophoresis applications with its high buffering capacity. Please, order: **PRT03-500, PRT03-1000**

Tris Base, Molecular Grade (>99.5%). 500 g and 1 kg available.

Our molecular grade Tris base is used as a biological buffer ingredient and a common component of other buffer formulations TAE or TBE. **PRT03-500G, PRT03-1000G**

Tris-HCl (500 g), Molecular Grade (>99.5%).

Our molecular grade Tris HCl is used for practical preparation of Tris buffers. Please, order: **PRT03-500GH**

Glycine, Molecular Grade (≥99.0%). 500 g and 1 kg available

Our molecular grade Glycine is used for protein studies and electrophoresis applications. Please, order: **PRT04-500, PRT04-1000**

EDTA (Disodium Salt, Dihydrate), Mol. Grade (≥99.0%). 500 g and 1 kg available

Our ultra-pure EDTA is used as a chelator of alkaline metals (iron, copper and zinc) in a variety of laboratory methods. Please, order: **PRT05-500, PRT05-1000**

His-Tag Antibody, 200 µl (mouse monoclonal)

His-Tag Mouse Monoclonal antibody detects endogenous levels of internal, C-terminal, or N-terminal His-tagged proteins. This antibody is unconjugated and suitable for western blotting secondary antibody applications. Please, order: **PRT06-200**

Goat Anti-Mouse IgG (H+L) AP Conjugate, 100 µl

Goat anti-mouse alkaline phosphatase-conjugated antibody is an affinity-purified polyclonal (secondary) antibody with well-characterized specificity for mouse immunoglobulins. They are useful in the detection of the specified target (primary antibody) and provides a practical solution for colorimetric protein band visualisation. Please, order: **PRT07-100**

BCIP/NBT Alkaline Phosphatase Colorimetric Kit (100 ml)

Cistron's BCIP/NBT kit provides all components required for color development in immunohistochemistry and Western assays. This kit can be used for AP color development in cells or tissues including iPS, in Western membranes bound with ALP, as well as detection of endogenous ALP in cells or tissues. **PRT08-100**



Laboratory Reagents & Buffers

TBE Buffer (Tris-Borate-EDTA) 10X (pH: 8.3)

Designed for agarose gel electrophoresis and SDS-PAGE applications. Our 10X TBE Buffer is sterile-filtered and includes 1 M Tris, 0.9 M Boric acid, and 0.01 M EDTA. To prepare 1X TBE Buffer, dilute 10X TBE Buffer ten-fold with sterile distilled water. Please order: **LRB01-500, LRB01-1000**

TAE Buffer (Tris-Acetate-EDTA) 10X, 50X (pH: 8.3)

Designed for agarose gel electrophoresis and SDS-PAGE applications. Our 50X and 10X TAE Buffers are prepared for long DNA and RNA molecules and are sterile-filtered. 10X TAE Buffer includes 0.4 M Tris-acetate, and 10 mM EDTA. To prepare 1X TAE Buffer, dilute 10X TAE Buffer ten-fold with sterile distilled water. Please order: **LRB02-500, LRB02-1000, LRB02-50010, LRB02-100010**

DNA Loading Dye Green-Blue (0.5 ml) 6X

Our DNA Loading Dye with dual dye (green and blue) is designed for loading double- and single-stranded DNA and RNA molecules helping the researcher to track DNA-RNA migration during electrophoresis. While green dye allows the researcher to track high molecular-weight DNA-RNA, blue dye helps with the analysis of low molecular-weight DNA. Please order: **LRB03-500**

DNA Ladder, 100-1500 bp&1-10 kb

Cistron provides a wide range of DNA ladders. Our ladders contain a premix of purified DNA fragments ranging from 100 bp up to 10 kb. Please, order: **LRB03-100, LRB03-1000.**

DNA-RNA Gel Stain Solution (Ethidium Bromide)

Cistron's gel stain solution is prepared as a concentrated solution (10 mg/mL) to accommodate most molecular biology applications for fluorescent DNA visualization and available in 3 different volumes (1 ml, 5 ml, and 10 ml). Our stain can be used to detect ssDNA, RNA, and dsDNA. Please, order: **LRB03-1ML, LRB03-5ML, LRB03-10ML**

Molecular Grade (Nuclease-free) ultra-pure water

Apyrogen ultra-pure water is prepared from sterile-filtered ultra-pure water with approximately 18.2 MΩcm electrical resistivity ratio, which is also heat-denatured twice. Apyrogen ultra-pure water suits PCR and sequencing, HPLC, and drug research applications. Please order: **LRB04-30, LRB04-100, LRB04-500, LRB04-1000**

PBS Tablets (100 x 1 g tablets)

PBS (phosphate-buffered saline) tablets are ideal for preparing 100 ml of 1X PBS solution (pH: 7.4 ± 0.05). By using one piece of PBS tablet in 100 ml of distilled water, you can prepare a solution with 10 mM phosphate, 2.7 mM KCl, and 137 mM NaCl. Our PBS buffer's tonicity, osmolality, and ion concentrations are identical to the human body. Therefore it establishes a stable pH environment crucial for optimal enzyme activity and various biological processes. Please, order: **LRB05-100**

PBS 1X, 10X (pH: 7.4) & DPBS 1X (pH: 7.4)

10X PBS (phosphate-buffered saline) solutions are ideal for preparing ready-to-use 1X PBS solution (pH: 7.4) without magnesium and calcium. 1X PBS solution includes 10 mM phosphate, 2.7 mM KCl, and 137 mM NaCl. Our PBS&DPBS buffer's tonicity, osmolality, and ion concentrations are identical to the human body. Therefore it establishes a stable pH environment crucial for optimal enzyme activity and various biological processes. Please, order: **LRB05-500, LRB05-1000, LRB05-50010, LRB05-100010**



Laboratory Reagents & Buffers

TE Buffer (Tris-EDTA) 100X&1X and Low EDTA TE Buffer 1X (pH: 8.0)

100X TE Buffer is a concentrated solution that is diluted 1/100 for cell culture and molecular biological applications. When diluted to 1X, it contains 10 mM Tris, 1 mM EDTA. Low-EDTA TE Buffer 1X includes a low concentration of EDTA (0.1 mM). Useful for the preservation of nucleic acid integrity. Please, order: **LRB26-1000, LRB25-500L**

DEPC-treated Water (5 x 1 ml)

DEPC-treated water is prepared from sterile ultra-pure water with 18.2 MΩcm electrical resistivity ratio treated with diethyl pyrocarbonate. DEPC-treated water suits sensitive RNA works, cDNA synthesis, and PCR applications. Please order: **LRB06-5**

RNA Defendo (100 ml)

Our RNA Defendo solution is a non-toxic RNA stabilization and storage mixture. RNA Defendo immediately diffuses intracellular parts of tissue samples and protects cellular total RNA followed by its stabilization for at least 1 year at -20 °C, for one month at 4 °C, and for one week at 25 °C. Please, order: **LRB07-100**

Triton X-100 (500 ml)

Triton X-100 solution is a non-ionic surfactant, emulsifier, and non-denaturing mild detergent. It is useful for your immunofluorescence staining, flow cytometry, tissue and cell homogenization, and other molecular biology applications. Please, order: **LRB13-500**

Tween 80 (500 ml)

Tween 80 (Polysorbate 80) is a non-ionic detergent, and a hydrophilic emulsifier and stabilizer. Useful for the protein and nucleus extractions in non-denaturing conditions. Please order: **LRB21-500**

Tween 20 (500 ml)

Tween 20 (Polysorbate 20) is a non-ionic surfactant, stabilizer and solvent for a wide variety of chemicals. Useful for the protein works and nuclear studies. Please order: **LRB21-50020**

Agarose

Our DNase-RNase-free standard agarose is suitable for the separation of nucleic acids in agarose gel electrophoresis. Gel strength (1.5%w/v): >1120g/cm². Gelling temperature: 36-39 °C. EEO:<0.12. Please, order: **LRB16-100**

MTT (250 mg, 1 g, 5 g)

MTT is used for cell viability assay as a function of redox potential. The assay principle is based on the cleavage of the yellow tetrazolium salt MTT to purple formazan crystals by metabolically active cells. The color response with purple formazan should be used to draw a standard curve after each assay. Please, order: **LRB18-250, LRB18-1, LRB18-5**

RNA&DNA Exterminator (250 ml)

RNA&DNA Exterminator is a strong mix to remove DNase, RNase and DNA&RNA contaminations from glasswares, plasticwares, instruments, biosafety cabinets, and other lab equipments. Please order: **LRB20-250**



Laboratory Reagents & Buffers

Glycerol (High Pure, 500 ml)

Our high pure and very stable glycerol is used as solvent, sweetening agent, in pharmaceutical final formulations or molecular research applications. Glycerol is very stable at room temperature, non-irritating or no adverse effects to the environment. Please order: **LRB23-500**

Dimethyl sulfoxide (100 ml & 500 ml).

Dimethyl Sulfoxide (DMSO) has the molecular formula of C_2H_6OS with a molecular weight of 78.13. The purity of this product is >99.9%. **LRB14-100, LRB14-500.**

Dimethyl sulfoxide, sterile-filtered (100 ml).

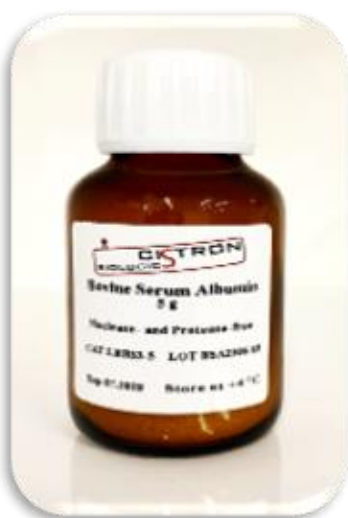
Our sterile-filtered DMSO can be used in cell freezing media to protect cells from mechanical damage caused by ice crystals. It can be used for cryopreservation of primary, secondary cultured and reconstituted alloplod and hybridoma cell lines, embryonic stem cells (ESC), and hematopoietic stem cells. **LRB15-100**

Bovine Serum Albumin (BSA), Nuclease- and Protease-free (5 g, 10 g, and 25 g).

BSA with molecular weight of approximately 66 kDa and the CAS Number of 9048-46-8 is free of DNase, RNase, and Protease. Our BSA has high purity over 99% and is light yellow-white powder. This product has a wide range of applications and is commonly used in immunological experiments (blocking and dilution of primary or secondary antibodies for Western, ELISA, and immunostaining). Additionally, this product can also be used as a standard for protein quantification assays. Please, order: **LRB33-05, LRB33-10, LRB33-25,**

Bovine Serum Albumin (BSA) Standard Solution, 2 mg/ml, (1 ml & 10x1 ml).

Our BSA Standard Solution is a ready-to-use standard for a wide variety of applications including protein quantification assays (Bradford and BCA protein assays). **LRB33-1ML, LRB33-10ML**



Molecular Diagnostics

CiS-Myco Mycoplasma Real-time PCR Kit, 50 tests & 100 tests

The CiS-Myco Mycoplasma Real-Time PCR Kit presents a Real-Time PCR detection platform for detecting more than 250 Mycoplasma species including *M. arginini*, *M. hominis*, *M. mycoides*, *M. pirum*, *M. pneumoniae*, *M. salivarium*, *M. genitalium*, *M. synoviae*, *S. citri*, *A. laidlawii*, *U. urealyticum*, and other common species. This kit warrants reliable and reproducible results and serves as a time-saving and practical alternative to time-consuming conventional and agarose gel-based analyses.

Please, order: **MD01-50, MD01-100**



CiS-Myco Mycoplasma Probe qPCR Kit, 50 tests & 100 tests

The CiS-Myco Probe qPCR Kit presents a probe-based qPCR detection platform for detecting more than 250 Mycoplasma species including *M. arginini*, *M. hominis*, *M. mycoides*, *M. pirum*, *M. pneumoniae*, *M. salivarium*, *M. genitalium*, *M. synoviae*, *S. citri*, *A. laidlawii*, *U. urealyticum*, and other common species. This kit warrants reliable and reproducible results and serves as a time-saving and practical alternative to time-consuming conventional and agarose gel-based analyses. CiS-Myco Probe Master Mix is all-in-one master mix which contains probe-primer mix, polymerase, enhancer, stabilizer, dNTPs, etc.

Please, order: **MPD01-50, MPD01-100**

