

Life science

Primary cells
Mycoplasma detection
Cell strainers
Growth factors
Cell culture sera
Cell counting
Aspiration systems
Cellular stains
ELISA kits
Antibody companion products
Mounting media for IHC & IF
Electrophoresis system
RT-qPCR
Sequencing
Laboratory equipment
and more...



*Win cinema
tickets or a cake!*

Solve the crossword puzzle
on the last page to
participate.

Lonza

Get the most biological relevant results with primary cells!

Purchase one vial of cells and get 30 % off on BulletKits

Primary cells closely reflect *in vivo* metabolism, morphology and growth characteristics compared to cell lines. However, the process of isolating and characterizing primary cells can be tedious and time-consuming. Even with efficient isolation methods, finding the appropriate materials from suitable donors can be challenging.

Lonza offers almost 300 different primary cells collected from both human and animal tissue, in addition to media products (**BulletKits**) designed specifically for each cell type.

PRIMARY CELLS vs CELL LINES

Primary cells

- Limited life span, resembles tissue characteristics
- Isolated directly from the tissue and are thus close to an *in vivo* model
- Can be used in advanced cell culture models to refine experiments
- Low mutations/modifications
- No need for authentication when bought commercially
- Donor characteristics available

Cell lines

- Infinite lifespan, loses tissue characteristics
- No similarity to *in vivo* as clonally is selected over time
- Limited ability to develop biologically relevant and complex *in vitro* models
- High mutations/modifications
- Authentication required
- No donor characteristics available



STEM CELLS

Stem cells

Fresh human bone marrow
Blood cells/hematopoietic cells
Immune progenitor cells
Human adipose-derived stem cells
Human dental pulp stem cells
Human mesenchymal stem cells

Pluripotent stem cells

Pluripotent stem cells

PRIMARY CELLS

Clonetics™ human-derived primary cells

Adipocytes
Astrocytes
Bone marrow cells
Blood cells
Endothelial cells
Epithelial cells
Fibroblasts
Immune cells
Osteoblasts/osteoclasts
Renal cells

Clonetics™ animal-derived primary cells

Astrocytes
Endothelial cells
Fibroblasts
Heart cells
Neural cells
Osteoblasts
Renal cells

Poietics™ immune cells

Human bone marrow
Bone marrow and hematopoietic cells
Peripheral blood immune cells

HEPATIC CELLS

Hepatic cells

Human-derived hepatocytes
Animal-derived hepatocytes
Hepatic non-parenchymal cells
Silensomes™ HLM
NoSpin HepaRG™

Contact us for details about the cells, recommended media and culture protocols.

Mycoplasma detection

MycoAlert gives you results in only 20 minutes

Contamination of cell cultures by mycoplasmas is a common problem. Mycoplasma can cause inhibition of cell growth and cell metabolism, and in most severe cases, cell death, and highly influence the reliability, reproducibility and consistency of your experimental results. The **MycoAlert kit** detects viable mycoplasma in less than 20 minutes in an easy two-step protocol. MycoAlert exploits the activity of mycoplasmal enzymes which are found in the vast majority of about 200 mycoplasma species, but are not present in eukaryotic cells.

Benefits of using MycoAlert kits:

- Convenient and fast - results in less than 20 minutes
- Universal - detects all common mollicute contaminations (Mycoplasma, Acholeplasma, Entomoplasma and Spiroplasma; except Ureaplasma)
- Specific - no interference with bacteria, negligible interference with media components

The **MycoAlert PLUS Mycoplasma Detection Kit** is used for samples measured with a less sensitive luminometer or fresh medium/water as it generates a higher light output compared to the first-generation kit.



We always recommend to use positive and negative controls when performing these assays. The positive control for the MycoAlert kits are available separately as the **MycoAlert™ Assay Control Set**, while the MycoAlert™ Buffer in the Control Set or HPLC grade water are recommended to use as negative controls.

Cat. no.	Product	Size
LT07-118	MycoAlert Detection Kit	10 tests
LT07-218	MycoAlert Detection Kit	25 tests
LT07-418	MycoAlert Detection Kit	50 tests
LT07-318	MycoAlert Detection Kit	100 tests
LT07-518	MycoAlert Assay Control Set (positive control)	10 tests

Cat. no.	Product	Size
LT07-701	MycoAlert PLUS detection kit	10 tests
LT07-703	MycoAlert PLUS detection kit	30 tests
LT07-705	MycoAlert PLUS detection kit	50 tests
LT07-710	MycoAlert PLUS detection kit	100 tests
LT07-518	MycoAlert Assay Control Set (positive control)	10 tests

Purchase a 50 tests or larger test kit and get the control set for free!

EASYstrainer cell strainer

For filtration of cell suspensions and primary cell isolates

EASYstrainer cell strainers offer an innovative and user-friendly solution for the filtration of cell suspensions. The EASYstrainer can be used, for example, after enzymatic tissue digestion for primary cell isolation or for cell preparation prior to flow cytometry.

The large cell strainers fit on all conical 50 ml tubes and the EASYstrainer Small strainers fit 15 ml tubes as well as smaller tubes and reaction vessels. All packs contain 50 strainers.

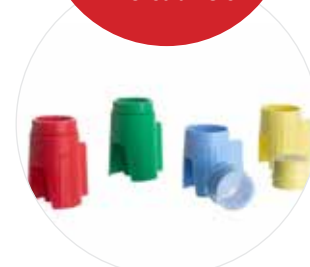
Cat. no.	Product
542000	EASYstrainer, 100 µm mesh size, for 50 mL tubes, yellow, sterile, single packed
542040	EASYstrainer, 40 µm mesh size, for 50 mL tubes, green, sterile, single packed
542070	EASYstrainer, 70 µm mesh size, for 50 mL tubes, blue, sterile, single packed
542100	EASYstrainer small, 100 µm mesh size, small diameter, yellow, sterile, single packed
542120	EASYstrainer small, 20 µm mesh size, small diameter, red, sterile, single packed
542140	EASYstrainer small, 40 µm mesh size, small diameter, green, sterile, single packed
542170	EASYstrainer small, 70 µm mesh size, small diameter, blue, sterile, single packed

greiner
BIO-ONE



1225,-

Special price for all packs of EASYstrainers



Growth factors, cytokines and other complex proteins

Qkine

Qkine has developed a portfolio of stable, tag-free and animal-free growth factors for use in the most popular pluripotency culture media. Qkine also provide pioneering growth factor specially for scaling organoid cultures, which represent a more physiologically relevant model of tissue than traditional 2D culture systems. Their products include a wide range of applications including hepatocyte, cardiac, and neural differentiation, all aimed at increasing reproducibility of your research. Qkine is an ISO9001:2015 certified company.

- Activin A
- BDNF
- BMP-2
- BMP-4
- EGF
- FGF-10
- FGF-2
- FGF-4
- FGF-7
- FGF-8a
- FGF-8b
- FGF-9
- FRAC TA
- GDF-15
- GDNF
- Gremlin 1
- HGF NK1
- IGF-1
- LIF
- Noggin
- NRG-1
- NT-3
- OSM
- PDGF-BB
- PDGF-AA
- R-spondin
- Shh
- TGF- β 1
- TGF- β 3
- VEGF



Purchase 3 or more vials and get 20 % off!

Sera

EuroClone

Quality control

Euroclone ensures the quality of their sera through rigorous checks at every production stage. Filtration and dispensing occur in HEPA-filtered, controlled environments. Serum homogeneity is achieved through "true-pooling" involving filtration and pooling through 0.1 μ m pore-size filters. All sera undergo thorough testing for the absence of various contaminants, including bacteria, fungi, yeast, and Mycoplasma. Additionally, physical-chemical screening assesses parameters like osmolality, haemoglobin, endotoxin, total protein and pH. The Quality Control Program evaluates each batch of FBS based on three key performance criteria: growth promotion, cloning efficiency, and plating efficiency.

Treatments

Heat inactivation and gamma irradiation are available as treatments for most Euroclone sera. Please inquire if interested.

Contact us for more information, batch testing/reservations and special offers!!

OTHER PRODUCTS FROM EUROCLONE:

- Basal cell culture media like DMEM, RPMI1640, L-15, Ham's F10 and F12, IMDM, MEM etc.
- Salt solutions like PBS, DPBS and Hank's
- Antibiotics and selection agents
- Cell dissociation reagents
- Amino acids and vitamins
- Buffers and reagents
- Freezing media



Standard fetal bovine sera

ECS5000	FBS South America origin EU approved
ECS1104	FBS United States origin USDA approved - high quality
ECS1102	FBS United States origin USDA approved
ECS0120	FBS Mexico origin USDA approved
ECS0160	FBS Central America origin USDA approved

"Special" fetal bovine sera

ECS0186	Ultra low endotoxin FBS
ECS9001	Premium FBS
ECS0196	Embryonic screened Euromed ES FBS
ECS0182	Tetracycline screened FBS
ECS0181	Dialyzed FBS
ECS8001	Exosome depleted FBS

Other sera

WCS0183L	OptiClone serum
ECS0070	Newborn calf serum (calves up to 10 days old)
ECS0040	Calf serum (calves up to 8 months old)
ECS0020	Bovine serum (cattles more than 12 months old)
ECS0219D	Human serum AB male
ECS0090	Donor horse serum
ECS0091	Horse serum
ECS0050	Chicken serum
ECS0200	Goat serum
ECS0230	Lamb serum
ECS0240	Porcine serum
ECS0250	Rabbit serum

Serum replacement

ESA0700L	EuroSF (serum free) supplement
ESA0010N	IsoCell GROWTH PLUS

Slides for automated cell counting

The LUNA family of automated cell counters from Logos Biosystems work with different types of slides for optimal cell counting conditions.

15 % discount on all slides from Logos biosystems

- **LUNA Cell Counting Slides** are disposable slides that are convenient and maintain high standard of cell counting accuracy during brightfield cell counting
- **PhotonSlides** allow for optimal fluorescence detection as they are made with optical quality material with ultra-low autofluorescence
- **LUNA 1-Channel Slides** offer the largest measuring volume, up to 5.1 μL , which promotes increased accuracy and precision
- **LUNA 3-Channel Slides** enable you to run experiments in triplicate at once, easily reassuring repeatability and reproducibility
- **LUNA 8-Channel Slides** maximize throughput and increase your lab's efficiency by enabling the counting of 8 different samples at once
- **QUANTOM M50 Cell Counting Slides** are designed for use with the QUANTOM Tx Microbial Cell Counter and have ultra-low autofluorescence to allow for optimal fluorescence detection



Cat. no.	Product	Size	Compatible instrument
L12002/ L12003	LUNA Cell Counting Slides	500/1000 slides	LUNA-II, LUNA-FL (BF*), LUNA-FX7 (BF*)
L12006/ L12007	PhotonSlide	500/1000 slides	LUNA-FL (FL*), LUNA-stem, LUNA-FX7 (FL*)
L72012	LUNA 1-Channel Slides	500 slides	LUNA-FX7
L72022	LUNA 3-Channel Slides	500 slides	LUNA-FX7
L72002	LUNA 8-Channel Slides	500 slides	LUNA-FX7
Q12002	QUANTOM M50 Cell Counting Slides	500 slides	QUANTOM Tx

*BF=brightfield, FL=fluorescence

Vacusafe aspiration systems

INTEGRA

The popular Vacusafe 4L system is available in two models. The first features a lid with quick coupling, self-sealing connectors and a liquid level sensor that eliminates the risk of overfilling. The second is a budget-friendly option without quick connectors and level sensor.



Cat. no.	Product	Offer
158310	Vacusafe Aspiration System with 4 L polypropylene bottle - including lid with self-closing quick connect couplings and level sensor, tubing set and a Vacuboy hand operator with stainless steel 40 mm tip, adapter for disposable tips with ejector and rubber adapter for Pasteur pipettes	23 590,-
158320	Vacusafe Aspiration System with 4 L polypropylene bottle - including lid with tube fittings, tubing set and a Vacuboy hand operator with stainless steel 40 mm tip, adapter for disposable tips with ejector and rubber adapter for Pasteur pipettes	17 690,-

Aspiration pipettes

2 mL aspiration pipettes from Greiner Bio-One without plug and graduation. Free from detectable DNase, RNase, and human DNA, non-pyrogenic and non-cytotoxic, sterile, and single-packed (paper/plastic) with peel-off function.

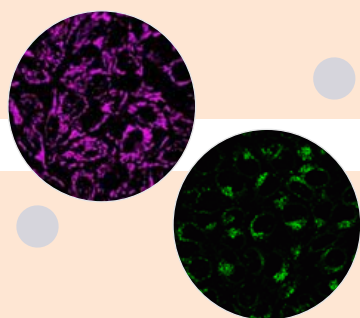


Cat. no.	Product	Amount	Special offer
710183	2 mL aspiration pipette, no plug	1000 ea	2295,-



MITOVIEW FEATURES:

- Rapid, no-wash, live cell mitochondria stains
- Bright, photostable and non-toxic for long-term live cell imaging
- Available in five colors with blue, green, far-red or near-IR emission
- Options for membrane potential-dependent or -independent staining



LYSOVIEW FEATURES:

- Highly specific, no-wash staining of lysosomes
- Non-toxic for real-time live-cell imaging
- Available in five colors with blue, green, red or far-red emission
- Dye options for super-resolution imaging

Cellular stains

The **MitoView fluorescent mitochondrial dyes** stain the mitochondria in live cells. The dyes are membrane-permeant and become brightly fluorescent upon accumulation in the mitochondrial membrane. The MitoView dyes come in a variety of colors, including both membrane potential-dependent and -independent options.

Cat. no.	Product	Ex/Em (nm)	Potential dependence	Special offer
70070	MitoView 405	398/440	Partial ³	3057,-
70054	MitoView Green	490/523	No	3057,-
70055	MitoView 633	622/648 ¹	Yes	3057,-
70075	MitoView 650	644/670	Partial ³	2858,-
70068	MitoView 720	720/758 ²	Partial ³	3533,-

¹MitoView 633 also has red fluorescence in the Cy3/rhodamine channel. It is not recommended for imaging with other red fluorescent probes. ²While optimal for Cy7 settings, MitoView 720 is bright enough to be imaged in the Cy5 channel and can be combined with other red fluorescent probes. ³Dyes with partial mitochondrial membrane potential dependence localize to the cytoplasm after mitochondrial depolarization, but still retain fluorescence.

LYSOVIEW fluorescent lysosome dyes

are fluorescent stains for imaging lysosome localization and morphology in live cells.

The LysoView dyes belong to a family of lysosomotropic dyes with weakly basic amine groups that accumulate in acidic organelles, resulting in highly specific staining.

LysoView staining is non-toxic and can be imaged over the course of days. The dyes are available in multiple colors with options for super-resolution imaging by SIM and STED.

Cat. no.	Product	Ex/Em (nm)	Offer
70066	LysoView 405	318, 400/464	2596,-
70067	LysoView 488	506/532	2596,-
70061	LysoView 540	540/634	2658,-
70083	LysoView 550	542/567	2489,-
70084	LysoView 594	585/634	2489,-
70058	LysoView 633	634/657	2427,-
70085	LysoView 640	640/671	2489,-
70059	LysoView 650	650/675	2627,-
70086	LysoView 680	674/711	3226,-
70060	Light-on LysoView 555	554/583	2397,-

ELISA kits

With ELISA Assay Kits from Cayman Chemical, you get all the necessary reagents, plates, instructions, and tools you need for fast and efficient analysis. They offer a wide selection of more than 200 ELISA assay kits for various types of targets including histones, testosterone, cyclic AMP/GMP, prostaglandins, lactate and glycerol.



BESTSELLING ELISA KITS FROM CAYMAN CHEMICALS:

Cat. no.	Product
501700	2'3'-cGAMP ELISA Kit
501620	Citrullinated Histone H3 (Clone 11D3) ELISA Kit
514010	Prostaglandin E2 ELISA Kit- Monoclonal
500910	Human Therapeutic IgG1 ELISA Kit
501890	Estradiol ELISA Kit
501320	Corticosterone ELISA Kit
581001	Cyclic AMP ELISA Kit

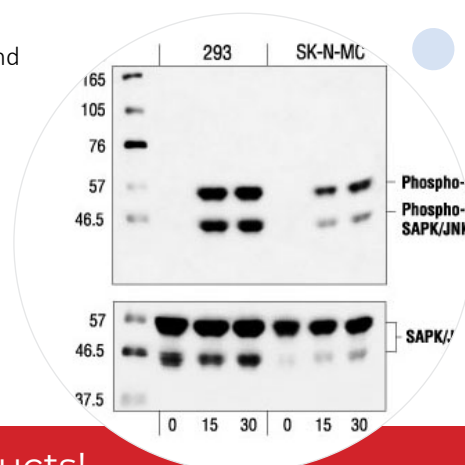
Cat. no.	Product
581021	Cyclic GMP ELISA Kit
516351	8-Isoprostane ELISA Kit
589001	CGRP (rat) EIA Kit
582701	Testosterone ELISA Kit
500360	Cortisol ELISA Kit
512011	Prostaglandin D2-MOX ELISA Kit
500141	Prostaglandin E2 Express ELISA Kit

15 % discount on all ELISA kits from Cayman

Companion products for antibody applications

Cell Signaling Technology (CST) offer a broad selection of companion products to complete your experimental workflow. These include secondary antibodies, positive and negative controls, modulators, detection reagents, cellular dyes and markers, epitope-tagged and control antibodies, as well as standard buffers and other reagents.

These same reagents are also used in-house by CST for validation of antibodies and thus they work optimally together with the antibodies in applications like western blotting (WB), immunohistochemistry (IHC), immunoprecipitation (IP), immunofluorescence (IF), flow cytometry (FC), chromatin immunoprecipitation (ChIP), and more. CST-recommended protocols for the different applications are available and technical support can also be provided by the CST scientists who make these products and know them best.



15 % discount on our bestselling companion products!

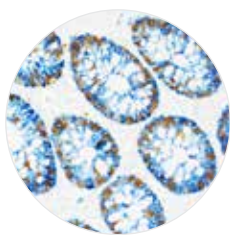
BESTSELLING COMPANION PRODUCTS:

Most products are available in several sizes.

Cat. no.	Product	Product category
5872	Protease/Phosphatase Inhibitor Cocktail (100X)	Buffer (WB)
9806	RIPA buffer (10X)	Buffer (WB)
9998S	BSA	Buffer (WB)
9999S	Nonfat dry milk	Buffer (WB)
9997	Tris Buffered Saline with Tween 20 (TBST-10X)	Buffer
9803	Cell Lysis Buffer (10X)	Buffer (ELISA)
9809	Phosphate Buffered Saline with Tween 20 (PBST-20X)	Buffer (ELISA)
8961	ProLong Gold Antifade Reagent with DAPI	Buffer (IF)
5425	Normal Goat Serum	Buffer (IHC, IF)
8112	SignalStain Antibody Diluent	Buffer (IHC)
7004	TMB Substrate	Detection system (ELISA)
4412	Anti-rabbit IgG (H+L), F(ab') ₂ Fragment (Alexa Fluor 488 Conjugate)	Secondary antibody (IF, FC)
4414	Anti-rabbit IgG (H+L), F(ab') ₂ Fragment (Alexa Fluor 647 Conjugate)	Secondary antibody (IF, FC)
4408	Anti-mouse IgG (H+L), F(ab') ₂ Fragment (Alexa Fluor 488 Conjugate)	Secondary antibody (IF, FC)
8125	SignalStain Boost IHC Detection Reagent (HRP, Mouse)	Secondary antibody (IHC)
8114	SignalStain Boost IHC Detection Reagent (HRP, Rabbit)	Secondary antibody (IHC)
5127	Mouse Anti-rabbit IgG (Conformation Specific) (L27A9) mAb (HRP Conjugate)	Secondary antibody (WB)
7074	Anti-rabbit IgG, HRP-linked Antibody	Secondary antibody (WB)
7076	Anti-mouse IgG, HRP-linked Antibody	Secondary antibody (WB)
5597	Anti-biotin (D5A7) Rabbit mAb	Secondary antibody (WB, ELISA)



Mounting media for IHC and IF

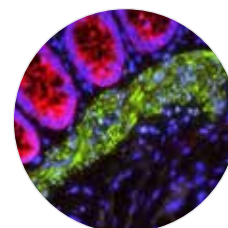


Mounting media for IHC

The VectaMount series of mounting media are optimized for immunohistochemistry (IHC), and both aqueous and non-aqueous mounting media are available. VectaMount Express Mounting Medium is a non-aqueous mounting medium which enables rapid mounting of cell and tissue specimen following IHC staining. This formulation enables mounting directly following staining, saving time by eliminating the need for extensive ethanol and solvent-based clearing agents (e.g., xylene) prior to coverslipping. Alternatively, VectaMount AQ Aqueous Mounting Medium is an aqueous mounting media for mounting following IHC staining.

Non-setting mounting media for IF

The VECTASHIELD mounting media are well-established products that complete the workflow and provide excellent signal retention for image acquisition and specimen archiving during immunofluorescence (IF) experiments. The VECTASHIELD media are available with counterstains.



A non-setting medium obviates the need for curing, making it useful for immediate imaging. VECTASHIELD Antifade Mounting Medium does not solidify and inhibits rapid photobleaching of fluorescent proteins and fluorescent dyes. VECTASHIELD PLUS Antifade Mounting Medium is an improved non-setting medium which protects against fading across the visible spectrum and is compatible with most commercially available fluorophores.

Setting mounting media for IF

A mounting medium that sets, while useful for long-term storage and repeated imaging, must be cured over the course of hours to days before it is ready for imaging.

VECTASHIELD HardSet Antifade Mounting Medium is the original curing (hard setting) antifade mounting medium for IF applications. VECTASHIELD Vibrance Antifade Mounting Medium is an upgraded version with superior ease of use and retention of specific staining intensity over time. Both VECTASHIELD HardSet and VECTASHIELD Vibrance will harden at room temperature in 20 minutes, eliminate the need to secure the coverslip with nail polish, and are convenient for use with oil immersion microscopy.

Cat. no.	Product	Size	Application	Offer
H-5700-60	VectaMount® Express Mounting Medium	60 mL	IHC	1848,-
H-5501-60	VectaMount® AQ Aqueous Mounting Medium	60 mL	IHC	2880,-
H-2000-10	VECTASHIELD® PLUS Antifade Mounting Medium with DAPI	10 mL	IF	3720,-
H-1900-10	VECTASHIELD® PLUS Antifade Mounting Medium	10 mL	IF	3432,-
H-1800-10	VECTASHIELD Vibrance® Antifade Mounting Medium with DAPI	10 mL	IF	3840,-
H-1700-10	VECTASHIELD Vibrance® Antifade Mounting Medium	10 mL	IF	3792,-
H-1600-10	VECTASHIELD® HardSet™ Antifade Mounting Medium with Phalloidin	10 mL	IF	3984,-
H-1500-10	VECTASHIELD® HardSet™ Antifade Mounting Medium with DAPI	10 mL	IF	4080,-
H-1400-10	VECTASHIELD® HardSet™ Antifade Mounting Medium	10 mL	IF	3840,-
H-1300-10	VECTASHIELD® Antifade Mounting Medium with Propidium Iodide (PI)	10 mL	IF	3888,-
H-1200-10	VECTASHIELD® Antifade Mounting Medium with DAPI	10 mL	IF	3840,-
H-1000-10	VECTASHIELD® Antifade Mounting Medium	10 mL	IF	3576,-

Accessories for IHC and IF

ImmEdge Hydrophobic Barrier PAP pen provides a heat-stable, water-repellent light blue barrier that keeps reagents localized on tissue specimens and prevents mixing of reagents.

CoverGrip Coverslip Sealant is the first product specifically designed for sealing the edges of wet-mounted coverslips for fluorescence microscopy. Unlike nail polish, CoverGrip contains no ingredients that can leach into aqueous mounting medium and affect specimen fluorescence.

Cat. no.	Product	Size	Special offer
H-4000	ImmEdge Hydrophobic Barrier (PAP) Pen	2 pens	3480,-
23005	CoverGrip Coverslip Sealant	15 mL	646,-

FlashGel electrophoresis system

Say goodbye to gel preparation!

The FlashGel system gives you complete separation and secure documentation, on the bench, in minutes! Gels for direct recovery are also available - then you avoid the use of UV light, cutting out bands and spending time purifying.

- 5 min separation - see the bands already after 2 minutes
- Real-time separation and documentation - watch the bands migrate while the gel runs
- Excellent sensitivity and resolution
- You can photograph the gels on the bench without damaging the DNA from UV light



-15 %

on all FlashGel products

Lonza

SOME EXAMPLES:

Cat. no.	Product	Content
57067	FlashGel System	FlashGel dock, camera, 9 pk DNA cassettes (1,2% 12+1 well), Loading Dye and DNA Marker
57023	FlashGel DNA cassettes 1.2%, 12+1 well, single tier	9 cassettes
57032	FlashGel DNA cassettes 2.2%, 16+1 well, double tier	9 cassettes
57051	FlashGel Recovery cassettes, 1.2%, 8+1 double tier	9 cassettes
57027	FlashGel RNA cassettes, 1.2%, 12+1 well, single tier	9 cassettes

Laboratory equipment

Mini centrifuge and tube spinner



MSC-3000: Mini centrifuge with Spin-Mix-Spin

- Easy to use centrifuge for spinning down tubes 0.2 - 2.0 mL, including PCR tubes and eppendorf tubes
- 3500 RPM/RCF 800 G
- Regular centrifuge mode
- Spin-Mix-Spin mode: Both mixes and spins tubes down in a single run
- On/off switch and digital controls
- Timer function with audible signal
- Lid with safety switch - stops motor if opened
- Supplied with two rotors: 12 x 0.2 mL + 12 x 0.5 mL and 12 x 1.5/2.0 mL
- Rotors for other tube combinations 0.2 - 2.0 mL available as accessories
- Rotors for strips (8 x 0.2 mL PCR) also available



6490,-

#BS-010205-AAN
MSC-3000



5290,-

#BS-010133-AAG
Bio RS-24

Bio RS-24: Small tube spinner

- User-friendly tube spinner
- Speed 5-30 RPM
- Digital timer function
- Suitable for use in cold rooms and incubators 4 - 40 °C (not CO₂-incubator)
- Includes platform with holes for 22 tubes Ø10 - 16 mm (1.5 - 15 mL)
- Rubber flaps keep tubes firmly in place in the platform
- Other platforms available as accessories

Luna Universal (RT)-qPCR products: unrivaled performance for all your (RT)-qPCR needs!

Luna (RT)-qPCR products offer best-in-class performance and robustness, and are available for intercalating dye or probe-based detection methods. They are compatible with all leading qPCR cyclers incl. ROX/dye-dependent machines. Luna Universal qPCR mixes contain dUTP, enabling carryover prevention when reactions are treated with Antarctic Thermolabile UDG (#M0372).

LunaScript RTase is a unique designer enzyme and allows for a fast (13 min) and robust performance in RTqPCR settings. It is available as LunaScript Super Mix or Super Mix Kit (#M3010/#E3010) - your preferred choice in two-step workflows - or readily "built-in" as part of the Luna One-Step RT-qPCR Kits.

In addition, the "Luna Cell Ready" products and kits are designed for direct RNA quantification from cell lysate, bypassing traditional RNA extraction and purification steps.

It's really that easy to find the right Luna product for your application:

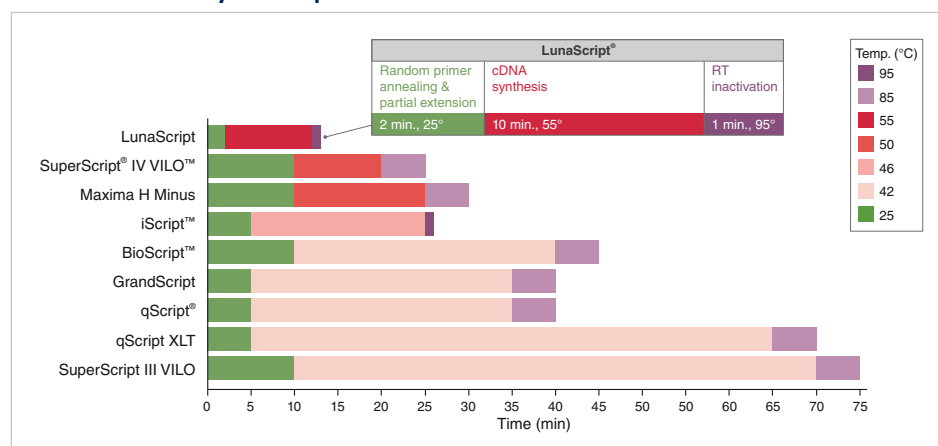
		2 Select your detection method	
		Dye-based	Probe-based
1 Select your target	Genomic DNA or cDNA	Luna [®] Universal qPCR Master Mix (NEB #M3003)	Luna Universal Probe qPCR Master Mix (NEB #M3004)
	Purified RNA One-Step RT-qPCR	Luna Universal One-Step RT-qPCR Kit (NEB #E3005)	Luna Universal Probe One-Step RT-qPCR: • Kit (NEB #E3006) • Kit (no ROX) (NEB #E3007) • 4X Mix with UDG (NEB #M3019)
	Two-Step RT-qPCR	LunaScript [®] RT SuperMix Kit (NEB #E3010) + Luna Universal qPCR Master Mix (NEB #M3003)	LunaScript RT SuperMix Kit (NEB #E3010) + Luna Universal Probe qPCR Master Mix (NEB #M3004)
	RNA from cell lysate	Luna Cell Ready One-Step RT-qPCR Kit (NEB #E3030)	Luna Cell Ready Probe One-Step RT-qPCR Kit (NEB #E3031)

BENEFITS:

- Novel enzyme technology by pairing a unique thermostable reverse transcriptase (RT) with optimized Taq and unique aptamer technology
- Increased reaction specificity, sensitivity, accuracy, reproducibility, and robustness
- Products perform consistently across a wide variety of sample sources
- Convenient master mix formats with user-friendly protocols allow for UDG dependent carry-over-prevention and simplify reaction setup
- Non-interfering, visible tracking dye helps to eliminate pipetting errors
- Skip RNA purification and go direct from cells to RT-qPCR analysis with Luna Cell Ready Module and Kits
- Available as lyophilized kits

-20%
on all Luna Universal (RT)-qPCR products

At just 13 minutes, the LunaScript RT SuperMix Kit offers the shortest available first-strand cDNA synthesis protocol



Comparison of recommended protocols for cDNA synthesis. The LunaScript RT SuperMix Kit requires the shortest reaction time and tolerates elevated temperatures, reducing complications from RNA secondary structure.

LOOKING FOR A DNA POLYMERASE FOR YOUR PCR?

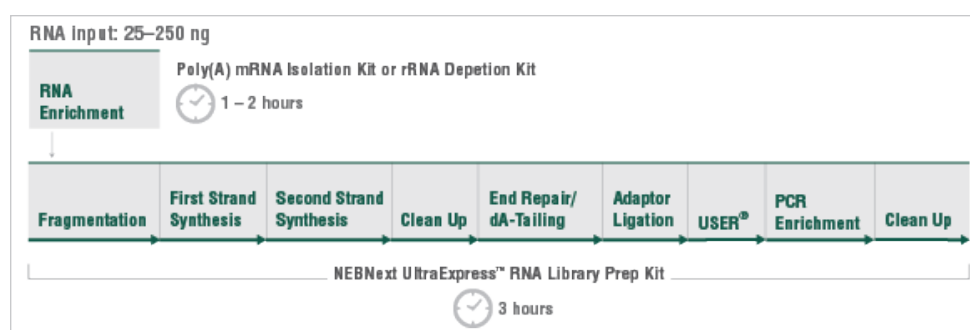
- Routine PCR: Choose OneTaq or Q5 DNA polymerases
- High-fidelity PCR: Choose Q5 High-Fidelity or Phusion DNA polymerases - both available as standard and High-Fidelity
- Specialty PCR: Choose Q5U (standard or High-Fidelity) or LongAmp DNA polymerases

New RNA and DNA library prep kits: NEBNext UltraExpress™!

The NEBNext UltraExpress Library DNA Prep Kit and RNA Prep Kit are the latest generation of NEBNext library prep, and they have a fast, streamlined workflow for Illumina sequencing. With simplicity at the forefront, the kits feature a single protocol for all input amounts, making NEBNext UltraExpress DNA or RNA Library Prep kits well suited for all throughputs. The kits incorporate master mixed reagents, reduced incubation times and fewer cleanup steps, reducing total time and consumables used.

NEBNext UltraExpress™ RNA Library Prep Kit

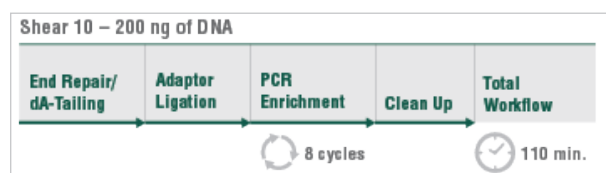
A 3-hour RNA library prep protocol enables the creation of high-quality RNA libraries in a single day, in conjunction with mRNA enrichment or rRNA depletion kits. This new kit meets the need for substantially faster, more streamlined RNA library prep workflows that deliver high-quality libraries from a variety of sample types in a single day from total RNA.



NEBNext UltraExpress™ RNA Library Prep workflow.

NEBNext UltraExpress™ DNA Library Prep Kit

In under 2 hours, the protocol enables the creation of high-yield, high-quality libraries, from a broad input amount range, while generating less plastic waste.



NEBNext UltraExpress™ DNA Library Prep workflow.

ADVANTAGES:

- Fast workflow: 3 hours for RNA prep and <2 hours for DNA prep
- High-quality libraries from a broad input range: 25–250 ng of total RNA or 10–200 ng pre-sheared DNA
- Single protocol simplicity for all input amounts increasing ease of use
- Fewer steps and consumables
- Fewer cleanups and pipetting steps reduce hands-on time
- Flexibility is enabled with simple guidelines for customized protocols, if desired
- Automation-friendly, enabling scalability



Cat. no.	Product	Size
E3330S	NEBNext UltraExpress™ RNA Library Prep Kit	24 reactions
E3330L	NEBNext UltraExpress™ RNA Library Prep Kit	96 reactions
E3325S	NEBNext UltraExpress™ DNA Library Prep Kit	24 reactions
E3325L	NEBNext UltraExpress™ DNA Library Prep Kit	96 reactions

PCR workstation

PCR workstations by Biosan provide a clean, well-lit work area for handling PCR reagents and samples. The air volume of the cabinet is recycled 100 times per hour through a closed module with a UV source powerful enough to inactivate DNA and RNA, ensuring aseptic conditions. The cabinets have a very low noise level and power requirements.

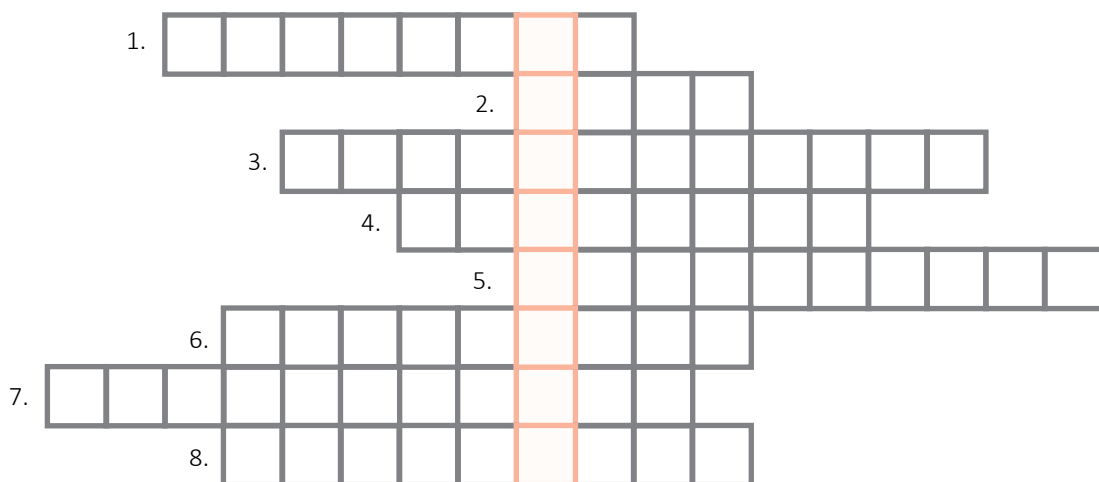
Includes a UV-light with a digital timer for decontamination of the work area when the workstation is not in use. A cover with a safety switch protects users from accidental UV exposure during decontamination. Cables for equipment inside the cabinet can be run through a dedicated opening.



Cat. no.	Product	Special offer
BS-040102-AAA	UVC/T-AR: Working area in powder coated steel, window and sidewalls in plexiglass	24 890,-

Solve our crossword puzzle and enter the draw!

We will draw a winner of two cinema tickets (Norgesbilletten) at the end of every month, and in April we will draw the main winner of a cake for the lab. You will find the answers inside the magazine.



1. Aspiration system from Integra
2. Family of cell counters from Logos
3. The new brand of NEBNext RNA and DNA library prep kits
4. Fluorescent stains for imaging lysosome localization and morphology in live cells
5. Primary cells from liver
6. Coverslip sealant designed for sealing the edges of wet-mounted coverslips
7. Family of mounting media for immunofluorescence
8. Kit for mycoplasma detection from Lonza

Send the solution together with your contact information to info@bionordika.no, no later than 31.03.2024 to participate. Only one submission per person.

By entering this contest you agree to receive email newsletters periodically from BioNordika. You can at any time cancel your subscription by clicking the unsubscribe link in the newsletter.

Promotional code: #BNQ1-24

Note! The promotional code must be referenced when ordering to receive the discounts and special prices. The offers are valid until 31.03.2024 and cannot be combined with other offers, discounts or special agreements. The prices are listed excluding VAT and shipping charges. Prices subject to change. We do not accept responsibility for any errors in this brochure

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