Diagnovum
Connecting Expertise

Cell Culture Catalog 2024

Diagnovum

The New Standard in Cell Culture

Diagnovum GmbH is a privately held, innovative biotech company established in 2001. We are dedicated to manufacture, develop, and worldwide distribute products for the cultivation, storage, and separation of cells. Our products are tailored for specific applications in research and development as well as diagnostic and biopharmaceutical production.

We are committed to providing the high quality, reliability, and service you have come to expect from a globally active cell culture company.

Quality

The mission of Diagnovum is to provide quality cell culture media, supplements and services using the highest safety and compliance standards to meet the needs of our customers in the global bioprocessing and clinical diagnostic industries.

Diagnovum carefully selects raw materials only from various reliable sources, such as EU-approved bovine herds from South America, USA, and Australia. We collaborate closely with our raw material suppliers to ensure the acceptance of only safe and well-documented products.

We prioritize the quality of serum for cell culture, considering it a cornerstone of trust in our products. Utilizing the latest equipment and techniques, we manufacture contracted bovine sera for our serum products. All of our animal component-free products are manufactured spatially separated from sera ensuring safety and reliability. Each stage of our production process is carefully controlled by our expert staff, and the final product undergoes rigorous quality control testing.

Our commitment to maintaining a consistent supply of raw materials translates into a reliable and steady availability of the products you need.

Diagnovum delivers the highest quality cell culture products to our customers by providing three key benefits: safety, consistency, and performance.

Products

Diagnovum manufactures and provides a complete range of cell culture products which include:

- Animal and Human Sera
- Supplements and Antibiotics
- Basic and Special Reagents
- Customization of Products
- Cytogenetics
- Cell Culture Media and Buffer Solutions in liquid and powder form

In addition, Diagnovum continues to expand its product range to offer novel, innovative products. We continually add products to our portfolio which have revolutionary advantages for our customers.

Expert Knowledge

If you are looking for a competent partner in the field of cell culture, we are the right choice. Our skilled team possesses extensive expertise across various areas of life sciences. With this team, dedicated to excellent cell culture products, we cover the relevant business areas to support all of our customers' needs. Benefit from:

- High quality products
- Expert knowledge
- Experienced Technical Service
- Personalized Customer Service
- Competence in logistics (import/export regulations)

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Classical Media, powder

Special Media

Sera

Animal Sera

Discover the key to optimal cell growth with our serum.

Our meticulously manufactured serum is designed to provide essential nutrients, vitamins, and growth factors, fostering a conducive environment for robust cell proliferation. Elevate your cell culture experience with our high-quality sera, ensuring consistent and reliable outcomes for your application.

Rely on **Diagnovum** as a trustworthy partner.

The huge number of different applications requires the optimal serum product. Select your serum from a broad range of different animals and origins, all providing consistent high quality and sterility. Explore additional treatments and customized products upon request.

Fetal Bovine Serum

For most common cell culture applications Fetal Bovine Serum from Diagnovum is perfectly suitable providing valuable nutrients, growth factors, and trace elements. It is produced by altering certain parameters to promote optimal cell growth with low batch-to-batch variations, mainly from EU-approved material. Our FBS is available from three different origins as well as with additional treatments, such as **heat inactivation** and **gamma irradiation (on request).**

Product	Vol.	Cat. No.
Fetal Bovine Serum, Collected in South America	100 ml	D101-100ML
	500 ml	D101-500ML
Fetal Bovine Serum, Collected in South America, Heat Inactivated	100 ml	D104-100ML
	500 ml	D104-500ML
Fetal Bovine Serum, Origin USA	100 ml	D201-100ML
	500 ml	D201-500ML
Fetal Bovine Serum, Origin USA, Heat Inactivated	100 ml	D204-100ML
	500 ml	D204-500ML
Fetal Bovine Serum, Origin Australia	100 ml	D801-100ML
	500 ml	D801-500ML
Fetal Bovine Serum, Origin Australia, Heat Inactivated	100 ml	D804-100ML
	500 ml	D804-500ML
FBS Ultra, Collected in South America	100 ml	D016-100ML
	500 ml	D016-500ML
FBS Ultra, Origin USA	100 ml	D216-100ML
	500 ml	D216-500ML
FBS Ultra, Origin Australia	100 ml	D816-100ML
	500 ml	D816-500ML

Fetal Bovine Serum Superb

Raw FBS is a natural product obtained from bovine blood showing significant batch variations due to various environmental influences e.g., nutrition or health state of the animals. These batch-to-batch variations can have major impacts on cell culture performance and the reproducibility of experimental data. Diagnovum's sophisticated treatments during the manufacturing process significantly reduce batch-to-batch variations in FBS Superb. Once successfully tested on a cell line, no further batch testing is necessary.

Applications

- Scientific research
- Calibration assays
- Fermentation
- Stabilizer for diagnostic kit

Features

- Minimized batch-to-batch variations
- After initial testing no further batch testing necessary – Saves time and manpower!
- No further batch reservation necessary
- No synthetic additives
- Suitable for various cell lines

Product	Vol.	Cat. No.
Fetal Bovine Serum Superb, Collected in South America	100 ml 500 ml	D151-100ML D151-500ML
Fetal Bovine Serum Superb, Origin Australia	500 ml	D051-500ML
Fetal Bovine Serum Superb, Collected in South America, Heat Inactivated	100 ml 500 ml	D154-100ML D154-500ML

Fetal Bovine Serum Specials

Product	Vol.	Cat. No.
Fetal Bovine Serum, **ES Cell Pretested,**	100 ml	D108-100ML
Collected in South America	500 ml	D108-500ML
Fetal Bovine Serum, **Gamma-Irradiated,**	100 ml	D103-100ML
Collected in South America	500 ml	D103-500ML
Fetal Bovine Serum, **Tetracycline Negative,**	100 ml	D122-100ML
Collected in South America	500 ml	D122-500ML
Fetal Bovine Serum, **Exosome Depleted,**	20 ml	D111-20ML
Collected in South America	100 ml	D111-100ML
	500 ml	D111-500ML
Fetal Bovine Serum, **Low Endotoxin,**	100 ml	D113-100ML
Collected in South America	500 ml	D113-500ML
Fetal Bovine Serum, **IgG Depleted,**	100 ml	D117-100ML
Collected in South America	500 ml	D117-500ML
Fetal Bovine Serum, **Dialyzed,**	100 ml	D107-100ML
Collected in South America	500 ml	D107-500ML
Fetal Bovines Serum, **Charcoal Stripped,**	100 ml	D119-100ML
Collected in South America	500 ml	D119-500ML
Fetal Bovines Serum **Bioprocess,**	100 ml	D241-100ML
Origin USA	500 ml	D241-500ML

Other Animal Sera

Animal sera are used in various applications, e.g. autologous cell culture systems or immunobiological methods. Porcine serum, for example, is often used in cultures that proliferate mycoplasma or viruses. Goat serum is used in immunohistochemistry and to eliminate non-specific binding reactions. We also offer a variety of sera derived from animals such as horse, rabbits, or rat. All our sera can be provided with additional treatments such as **heat inactivation** and **gamma irradiation (on request).**

Applications:

- Autologous cell culture systems
- Immunohistochemistry
- Immunoblotting
- Immunofluorescence
- Immunoprecipitation

Product	Vol.	Cat. No.
Adult Bovine Serum	100 ml	D311-100ML
	500 ml	D311-500ML
	1000 ml	D311-1000ML
Calf Serum	100 ml	D304-100ML
	500 ml	D304-500ML
Donor Horse Serum	100 ml	D323-100ML
	500 ml	D323-500ML
Goat Serum	100 ml	D335-100ML
	500 ml	D335-500ML
Horse Serum	100 ml	D321-100ML
	500 ml	D321-500ML
Newborn Calf Serum	100 ml	D301-100ML
	500 ml	D301-500ML
	1000 ml	D301-1000ML
Mouse Serum	100 ml	D338-100ML
Porcine Serum	100 ml	D330-100ML
	500 ml	D330-500ML
Rabbit Serum	100 ml	D334-100ML
Rat Serum	100 ml	D337-100ML
Sheep Serum	100 ml	D331-100ML
	500 ml	D331-500ML

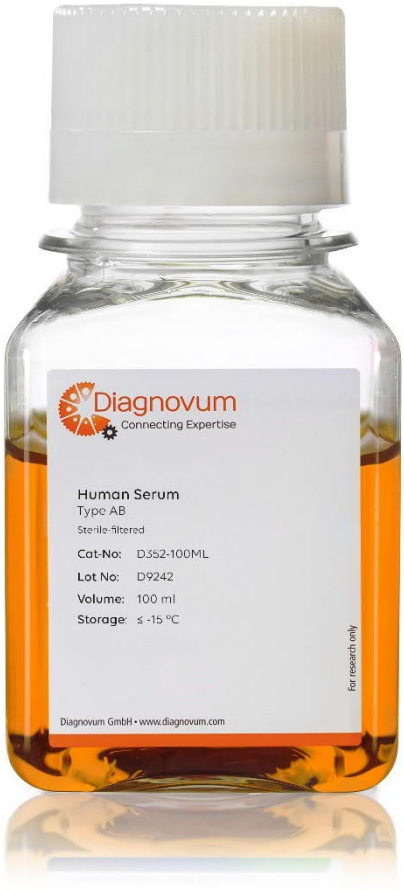
Human Products

Human Serum in culture media provides human cell lines with an environment more closely matching their physiological conditions than media with animal sera. Unlike media containing animal sera, our Human Serum Type AB provides a physiologically more accurate environment for human cell lines. This is crucial for micro-optical studies of cell structures and differentiation, ensuring results reflect natural conditions in human tissue. Human serum may be superior to animal sera when culturing sensitive human cell lines such as immune cells (e.g. macrophages or lymphocytes).

Our Human Serum Type AB is exclusively derived from healthy, male donors at FDA licensed facilities located in the USA. The blood group AB of raw material ensures a serum free from anti-A and anti-B antibodies, safeguarding cultured cells and preserving the integrity of immunological investigations.

Beyond its application as a culture media additive, Human Serum Type AB excels in control assays, immunoassays, clinical chemistry, and *in vitro* diagnostics.

Product	Vol.	Cat. No.
Human Serum, Type AB	100 ml	D352-100ML



Reagents

A variety of cell culture applications require further optimization of basal media with reagents, supplements, growth factors, and antibiotics.

Diagnovum manufactures a broad range of these specialized supporting products, which are intensively tested for purity, toxicity, and cell viability. Therefore, these solutions support reliability and consistency of your cell culture research.

Bovine Serum Albumin

Bovine Serum Albumin also known as BSA or „Fraction V" is a protein derived from bovine blood. The term „Fraction V" refers to albumin being the fifth fraction of the original Edwin Cohn purification methodology that makes use of the differential solubility characteristics of plasma proteins.

BSA has numerous biochemical applications including ELISAs (Enzyme-Linked Immunosorbent Assay), immunoblots, and immunohistochemistry. It is also used as a stabilizer and cell growth supplement in cell and microbial cultures. On top of that, our **Fatty Acid** Free and **Protease Free** formulations enable the application of our BSA protease-sensitive systems or for fatty acid related research.

Product	Vol.	Cat. No.
Bovine Serum Albumin, Standard Grade, pH 7.0	50 g	D661-50G
	100 g	D661-100G
	500 g	D661-500G
Bovine Serum Albumin, Fatty Acid Free	50 g	D662-50G
	100 g	D662-100G
Bovine Serum Albumin, Protease Free	50 g	D663-50G
	100 g	D663-100G

Growth Supplements

Diagnovum offers chemically defined supplements for a variety of cell culture applications. Our supplements are manufactured from selected and stringently tracked raw materials to provide high quality products. Therefore, our supplements eliminate uncertainties, providing a reliable foundation for optimized cell growth.

Elevate your cell culture work with the assurance of consistency and the flexibility to tailor your experiments to the highest standards of precision.

N2 Supplement

N2 Supplement is a serum-free chemically defined supplement based on Bottenstein's N2 formulation. It is recommended for the growth and expression of neuroblastomas and for the survival and expression of post-mitotic neurons in primary cultures from both the peripheral nervous system (PNS) and the central nervous system (CNS).

Applications

N2 Supplement can be used in combination with NCS21 for:

- Differentiation of ES cells into neuron lineage (neuron and astrocytes)
- Differentiation of neuronal stem cells into astrocytes and neurons
- Optimal for serum free growth for neuroblastomas

NCS21 Supplement, Serum-free

NCS21 Supplement is a serum-free supplement for neuronal cell cultures. It is an optimized and modified formulation of B27® Supplement (B27® is a registered trademark of Life Technologies Corporation). NCS21 Supplement is suitable for the long-term growth and viability of hippocampal and other neurons of the central nervous (CNS) and peripheral nervous system (PNS). It is chemically defined and contains vitamins, hormones and other growth factors including insulin, human transferrin, catalase, antioxidants, and fatty acids.

Applications

- Differentiation of ES cells into neuron lineage (neuron and astrocytes)
- Differentiation of neural stem cells into astrocytes and neurons
- Optimal growth and long-term survival of rat hippocampal neurons (fetal and adult)
- Survival of neurons from embryonic rat striatum, substantia nigra, septum and cortex, and neonatal rat cerebellum (fetal and adult)

Product	Vol.	Cat. No.
N2 Supplement (100x), Serum-free	5 ml	D625-5ML
NCS21 Supplement (50x), Serum-free	10 ml	D621-10ML

Insulin Transferrin Selenium (ITS)

ITS (Insulin, Transferrin, Selenium) is a chemically defined supplement for a variety of cell culture applications. It contains components which are required for optimum performance of serum-free media. Supplementation of ITS to different conventional nutrient media substantially reduces the FBS requirement for routine maintenance of many cell lines such as CHO, Hybridoma, MDCK and Vero. ITS can also be used as a supplement in embryonic stem cell culture.

Applications

- Serum-free cultivation
- Cultivation of various cells: CHO, Hybridoma, MDCK and Vero
- Supplement in murine embryonic stem cell culture

Product	Vol.	Cat. No.
ITS (100x), Insulin, Transferrin, Selenium	10 ml	D615-10ML

Hybridoma Supplement

To support hybridoma development and to achieve an optimal cell density as well as cloning efficiency, growth factors and serum (10 to 20 %) are required. Hybridoma Supplement is a chemically defined growth supplement containing insulin, ethanolamine, hydrocortisone, retinoic acid, linoleic acid and other growth promoting factors. It supports the growth of hybridoma in the same manner feeder cells have been used before. The disadvantages occurring using feeder cells may include overgrowth of newly formed hybridomas, source of contamination, competition for nutrients, and variations in growth factor concentrations.

Hybridoma Supplement can be used in culture media under serum-free conditions. The low protein content facilitates the isolation and purification of produced antibodies.

Product	Vol.	Cat. No.
Hybridoma Supplement, Serum-free	50 ml	D609-50ML

Additives

Product	Vol.	Cat. No.
L-Glutamine (200 mM)	100 ml	D605-100ML
Stable Glutamine (200 mM)	100 ml	D606-100ML
MEM non-essential Amino Acids (100x)	100 ml	D603-100ML
Sodium Pyruvate (100 mM)	100 ml	D602-100ML
Glucose Solution (250 g/L)	50 ml	D635-50ML
Insulin, Human Recombinant Solution (5 mg/ml)	5 ml	D630-5ML

Detachment

Accutase and Accumax – The Originals

A huge range of “Accutase-like” products are available on the market. Diagnovum distributes the original Accutase, which guarantees gentle and effective detachment of adherent cells while promoting maximum cell viability. The cell surface epitopes remain intact so that experiments will not be marred, and the cells can reattach, fast and easy. The product is of non-mammalian origin which can be of importance for several applications.

Accutase is a cell dissociation solution containing proteolytic, collagenolytic and DNase enzymes. It is a ready-to-use, non-mammalian, non-bacterial replacement for all applications of trypsin and collagenase in tissue dissociation, cell counting, and dissolving cell clumps such as spheroids. Accutase does not affect the surface epitopes of the cells. Therefore, it is ideal for FACS analysis where even small changes in the cell’s properties may have great impact on the results.

AccuMax is an improved version of Accutase with higher activity. This is especially applicable for increasing the accuracy of cell count.

Unlock the Power of Innovative Detachment!

Features

- Offers a milder detachment compared to trypsin
- Maximum cell viability, cell recovery and faster cell reattachment times
- No neutralization required
- Suitable for a great variety of cells including hESC

Product	Vol.	Cat. No.
Accutase Cell Detachment Solution	100 ml	D707-100ML
Accumax Cell Detachment Solution	50 ml	D708-50ML

Trypsin

Product	Vol.	Cat. No.
Trypsin-EDTA (0.05 %) in DPBS (1x)	100 ml	D704-100ML
Trypsin-EDTA (0.5 %) in DPBS (10x)	100 ml	D703-100ML
Trypsin (0.25 %) in DPBS (1x)	100 ml	D702-100ML
Trypsin (2.5 %) in DPBS (10x)	100 ml	D701-100ML
Trypsin-EDTA (0.25 %) in HBSS (1x), with phenol red	100 ml	D705-100ML
	500 ml	D705-500ML
Trypsin-EDTA (0.05 %) in HBSS (1x), with phenol red	100 ml	D706-100ML
	500 ml	D706-500ML

Antibiotics

The use of antibiotics in cell culture is crucial to ensure a contamination-free environment and protect the integrity of cell cultures. Diagnovum's high-quality antibiotics are specifically formulated to guarantee reliable performance and reproducible results in your cell culture experiments.

Product	Vol.	Cat. No.
Amphotericin B Solution (100x)	100 ml	D901-100ML
Antibiotic/Antimycotic Solution (100x)	100 ml	D902-100ML
Gentamicin Solution (10 mg/ml)	100 ml	D904-100ML
Penicillin/Streptomycin (100x)	100 ml	D910-100ML
Penicillin/Streptomycin (100x), with L-Glutamine	100 ml	D913-100ML

Cell Separation

The Lymphocyte Separation Medium is a sterile and ready-to-use reagent designed for efficient *in vitro* isolation of mononuclear cells, including lymphocytes and monocytes, from various sources such as human whole blood, buffy coats, bone marrow, and others.

Our Lymphocyte Separation Medium utilizes Ficoll™ density gradient medium, a hydrophilic polymer with a molecular weight of 400 kDa, for efficient fractionation of different cell types during density gradient centrifugation. Fractionation enables further analysis if specific cell types with reproductible and reliable results.

Product	Vol.	Cat. No.
Lymphocyte Separation Medium, Density 1.077 g/ml	100 ml	D604-100ML
	500 ml	D604-500ML

Cryopreservation

Safely cryopreserving cells is crucial for storing cells for future studies and back-up cultures in case of contamination and loss of cell supply.
The new series of easy-to-use freezing media from **Diagnovum** offers high cell viability in serum and serum-free formulations to successfully cryopreserve also the most sensitive and valuable mammalian cells.

SuperFreeze One

Cryopreservation Medium with FBS

SuperFreeze 1 is our optimized ready-to-use medium containing preselected FBS, US Origin and the commonly used and most efficient cryo-protectant DMSO. SuperFreeze 1 shows highest levels of the cell viability (> 93 %) and is suitable for primary cells, cell lines and applications such as cell banking and stem cell storage.

SuperFreeze Two

Cryopreservation Medium, Serum-free

SuperFreeze 2, our new serum-free cell freezing medium, is a sterile, ready-to-use medium suitable for the cryopreservation of adherent and suspension cells. Cells cryo-preserved using SuperFreeze 2 show high levels of viability that are comparable to cells preserved in DMSO and FBS. It can be used for both cells cultured in serum-supplemented growth medium as well as cells grown under serum-free conditions.

Applications

- Cryopreservation of industrial cell lines
- Industrial cell banking
- Stem cell storage
- Human Embryonic Stem Cells and Induced Pluripotent Stem Cells

Product	Vol.	Cat. No.
SuperFreeze 1, Cryopreservation Medium with Fetal Bovine Serum	50 ml	D611-50ML
SuperFreeze 2, Cryopreservation Medium, Serum-free	50 ml	D612-50ML

Mycoplasma Removal

Mycoplasma is a prokaryotic organism that is a frequent contaminant of mammalian cell cultures. It can alter cell physiology, impair growth and have a major effect on cell metabolism. Therefore, altered cell behavior caused by mycoplasma contamination may lead to deviant cell culture performance and falsified experimental outcomes.

Because of their small size, Mycoplasma can pass through filters used to prevent bacterial and fungal contamination and potentially spread to all cultures in a laboratory. When mycoplasma contamination is detected in cell culture laboratories, usually all cultures must be eliminated. Therefore, it is recommended to test all new mammalian cell cultures for the presence of Mycoplasma. Alternatively, we provide solutions for efficient **Mycoplasma Removal**.

Mycoplasma Removal

Mycoplasma Removal Agent is a highly efficient antibiotic, active at low concentration for a broad range of mycoplasma subspecies. It acts by interfering with the DNA replication machinery, thus inhibiting mycoplasma growth.

Applications

- Mycoplasma infected established cell lines
- Decontamination of primary material

Features

- Effective mycoplasma removal
- Effective against a broad range of mycoplasma strains
- Does not negatively affect eukaryotic cell proliferation
- Easy-to-use

Product	Vol.	Cat. No.
MycoRemove, Mycoplasma Removal Reagent (50x)	100 ml	D916-100ML

Transfection

Selection Antibiotics

G-418 Sulfate

G-418 Sulfate is an aminoglycoside antibiotic and commonly used in plant and mammalian cell culture as a selection marker. Diagnovum's G-418 Sulfate Solution features a 100 % activity. In contrast to other commercially available selection antibiotics, Diagnovum does not solely produce its product according to the weight, but also based on the specific activity of the powder.

This provides you with consistent biological potency and each lot is supplied with the same active concentration. You gain maximum convenience: calculating, weighing, filtering and aliquoting are no longer necessary. Just like most other high potent reagents for cell culture, G-418 Solution should also be stored at ≤-15°C to ensure maximum activity.

Other Selection Antibiotics

Hygromycin B

Hygromycin B is an aminoglycoside antibiotic with a broad spectrum of activity. It is effective against most bacteria, fungi, and higher eukaryotes. Hygromycin B is suitable for use with transient and/or stable transfected cells carrying the hph resistance gene.

Product	Vol.	Cat. No.
G-418 Sulfate Solution, 100 % Activity (50 mg/ml)	10 ml 100 ml	D912-10ML D912-100ML
G-418 Sulfate, Powder	5 g 10 g	D911-5G D911-10G
Hygromycin B Solution (50 mg/ml)	10 ml	D915-10ML

Buffer & Salt Solutions

Buffer and Salt Solutions are used in many different applications, predominantly as diluting, rinsing and reference solutions. The use of high-quality water together with excellent raw materials guarantees that our customers receive sterile buffers of the highest quality.

Product	Vol.	Cat. No.
Hanks' Balanced Salt, with Ca & Mg, w/o Phenol Red	500 ml	D408-500ML
Hanks' Balanced Salt, w/o Ca & Mg, w/o Phenol Red	500 ml	D409-500ML
Hanks' Balanced Salt, w/o Ca & Mg, with Phenol Red	500 ml	D410-500ML
HEPES Buffer Solution (1 M)	100 ml	D412-100ML
Dulbecco's PBS (10x), w/o Ca & Mg, w/o Phenol Red	500 ml	D411-500ML
Dulbecco's PBS (1x), with Ca & Mg, w/o Phenol Red	500 ml	D401-500ML
Dulbecco's PBS (1x), w/o Ca & Mg, w/o Phenol Red	500 ml	D402-500ML
Water, suitable for cell culture, sterile-filtered	500 ml 1000 ml	D400-500ML D400-1000ML

Buffer & Salt Powder

Product	Vol.	Cat. No.
Dulbecco's PBS (1x), powder, w/o Ca & Mg, w/o Phenol Red	50 L 10 L	D402-P50 D402-P10

Cytogenetics

Diagnovum offers a range of reliable cytogenetic products for chromosome karyotyping. This includes media for cultivation of amniotic fluid cell and chorionic villi cells, peripheral blood lymphocytes, as well as related reagents.

Time is precious!

AmnioPro

AmnioPro is a ready-to-use medium, specifically optimized for the primary culture of human amniotic fluid cells and chorionic villi (CV) samples. It has been designed for rapid cell growth and fast chromosome karyotyping. Do you wish to deliver your karyotyping analysis in the fastest and most reliable way possible? Our amnion medium, AmnioPro has proven to be one of the fastest media with regards to the diagnostics of chromosomal aberrations in the market.

LymphoPro & LymphoPro2

LymphoPro is specifically optimized for short-term cultivation of peripheral blood lymphocytes followed by chromosome analysis. It is ready-to-use and includes Phytohemagglutinin M (PHA-M). The PHA-M concentration has been well adjusted to the optimum concentration to stimulate lymphocyte proliferation.
LymphoPro2 is a newly designed optimized formulation. With years of know-how, we have developed a formulation which results in a better performance and longer stability.

MarrowPro

MarrowPro is a ready-to-use medium for cultivation of bone marrow and leukemic blood cells for subsequent chromosome analysis. It includes PHA-M. The PHA-M concentration has been well adjusted to the optimum concentration to stimulate lymphocyte proliferation.

Colcemid

Colcemid is used in chromosome analysis during lymphocyte karyotyping and amniotic fluid cell chromosome analysis, and in cell synchronization. It arrests mitotic cultured cells in metaphase.

Phytohaemagglutinin

Phytohemagglutinin, a mitogen like PHA, is employed to trigger cell proliferation in lymphocyte cell cultures, where lymphocytes typically remain quiescent. However, in the presence of such mitogens, lymphocytes are prompted to undergo mitosis, facilitating karyotyping for the identification of chromosomal aberrations.

Product	Vol.	Cat. No.
AmnioPro	100 ml	D021-100ML
	500 ml	D021-500ML
LymphoPro	100 ml	D022-100ML
LymphoPro2	100 ml	D019-100ML
MarrowPro	100 ml	D023-100ML
Colcemid Solution (10 µg/ml) in DPBS	10 ml	D003-10ML
Phytohemagglutinin (PHA-M)	10 ml	D006-10ML
Potassium Chloride (0.075M)	100 ml	D025-100ML

Media

The culture medium is one major component of the culture environment because it provides the necessary nutrients, growth factors, and hormones for cell growth. In addition, it regulates the pH and the osmotic pressure of the culture.

The liquid media from Diagnovum are suitable for a variety of cell culture applications. Our culture media are manufactured under strict quality standards and production procedures, using only high-quality raw materials.

Classical Media, liquid

Product	Vol.	Cat. No.
DMEM/Ham's F-12, with L-Glutamine	500 ml	D813-500ML
DMEM/Ham's F-12, w/o L-Glutamine, with 15 mM HEPES	500 ml	D814-500ML
DMEM/Ham's F-12, with L-Glutamine, with 15 mM HEPES	500 ml	D812-500ML
DMEM High Glucose (4.5 g/l), with L-Glutamine	500 ml	D810-500ML
DMEM High Glucose (4.5 g/l), with Stable Glutamine, with 25 mM HEPES	500 ml	D899-500ML
DMEM High Glucose (4.5 g/l), with L-Glutamine, with Sodium Pyruvate	500 ml	D843-500ML
DMEM High Glucose (4.5 g/l), with Stable Glutamine	500 ml	D892-500ML
DMEM High Glucose (4.5 g/l), w/o L-Glutamine, with Sodium Pyruvate	500 ml	D011-500ML
DMEM High Glucose (4.5 g/l), w/o L-Glutamine	500 ml	D009-500ML
DMEM High Glucose (4.5 g/l), w/o L-Glutamine, w/o Phenol Red	500 ml	D047-500ML
SILAC DMEM, High Glucose (4.5 g/L), w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red	500 ml	D802-500ML
SILAC RPMI 1640, w/o L-Arginine, w/o L-Lysine, w/o L-Glutamine, w/o Phenol Red	500 ml	D803-500ML
DMEM Low Glucose (1 g/l), with L-Glutamine, with Sodium Pyruvate	500 ml	D806-500ML
DMEM Low Glucose (1 g/l), with Stable Glutamine, with Sodium Pyruvate	500 ml	D891-500ML
DMEM Low Glucose (1 g/l), w/o L-Glutamine, with Sodium Pyruvate	500 ml	D005-500ML
Ham's F-12, with L-Glutamine	500 ml	D817-500ML
Ham's F-10, with L-Glutamine	500 ml	D818-500ML
IMDM, with L-Glutamine, w/o Supplements	500 ml	D819-500ML
Leibovitz's L-15 Medium, w/o L-Glutamine	500 ml	D020-500ML
Medium 199 with Earle's Salts, with L-Glutamine	500 ml	D834-500ML
Medium 199 with Hank's Salts, with L-Glutamine	500 ml	D835-500ML
McCoy's 5A Medium, with L-Glutamine	500 ml	D823-500ML
MEM with Earle's Salts, with L-Glutamine	500 ml	D825-500ML
MEM Alpha Modification, w/o L-Glutamine, with Nucleosides	500 ml	D833-500ML
MEM Alpha Modification, w/o L-Glutamine, w/o Nucleosides	500 ml	D832-500ML
MEM with Earle's Salts, with Stable Glutamine	500 ml	D888-500ML
MEM with Earle's Salts, w/o L-Glutamine	500 ml	D024-500ML

RPMI 1640, with L-Glutamine	500 ml	D840-500ML
RPMI 1640, with L-Glutamine, with 25 mM HEPES	500 ml	D842-500ML
RPMI 1640, w/o L-Glutamine, with 25 mM HEPES	500 ml	D041-500ML
RPMI 1640, with Stable Glutamine	500 ml	D885-500ML
RPMI 1640, w/o L-Glutamine	500 ml	D039-500ML
RPMI 1640, w/o L-Glutamine, w/o Phenol Red	500 ml	D048-500ML
Schneider's Drosophila Medium, Modified, with L-Glutamine	1000 ml	D800-1000ML

Classical Media, Powder

Storage of cell culture media may be challenging especially concerning spatial and temporal issues. To meet the need for long term storage and space saving we established innovative Powder Cell Culture Media. These cutting-edge products redefine convenience, efficiency, and performance in cell culture applications.

Advantages

- Extended Shelf Life
- Customized Concentration
- Cost-Effective Shipping and Storage
- Freshly Prepared Solutions

Product	Vol.	Cat. No.
DMEM High Glucose (4.5 g/l) powder medium, with L-Glutamine, w/o Sodium Bicarbonate	10 L	D810-P10
	50 L	D810-P50
	100 L	D810-P100
DMEM Low Glucose (1 g/l) powder medium, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate	10 L	D806-P10
	50 L	D806-P50
DMEM High Glucose (4.5 g/l) powder medium, with L-Glutamine, with Sodium Pyruvate, w/o Sodium Bicarbonate	10 L	D843-P10
	50 L	D843-P50
MEM with Earle's Salts, powder medium, with L-Glutamine, w/o Sodium Bicarbonate	10 L	D825-P10
	50 L	D825-P50
	100 L	D825-P100
RPMI 1640, powder medium, with L-Glutamine, w/o Sodium Bicarbonate	10 L	D840-P10
	50 L	D840-P50
RPMI 1640, with L-Glutamine, powder medium, with 25 mM HEPES, w/o Sodium Bicarbonate	10 L	D842-P10
	50 L	D842-P50

Special Media

Every cell type has its own characteristic metabolic processes that result in specific demands for nutrient supply. Diagnovum developed a new product line of defined cell culture media that are supplemented with selected pre-tested recombinant serum components, which guarantee highest performance. Defined media are superior to classical culture media in many ways. Their cell type specific compositions with growth factors, vitamins, trace elements and protein fractions guarantee optimal culture conditions even for sensitive cell lines.

Growth-Media are easy to use and further supplementation with serum is not necessary. Batch-to-batch variations are therefore reduced to a minimum and the constant quality guarantees reproducible results. Contamination risks are minimized because the ready-to-use media require no further manipulation before being utilized in cell culture.

Advantages

- Ready- and easy-to-use
- Optimized complete media
- Reproducible working conditions
- Defined culture conditions
- No addition of serum necessary

Product	Vol.	Cat. No.
HybriGrow, Protein-free Complete Medium for Hybridoma Cells with L-Glutamine	500 ml	D270-500ML
HybriGrow, Protein-free Medium for Hybridoma Cells and Monoclonal Antibody Production, w/o L-Glutamine, w/o Phenol Red	500 ml	D271-500ML
TumorGrow 1, Complete Medium for Tumor Cells, with L-Glutamine	500 ml	D263-500ML
DYNAMIC.CHO E, Expression Medium, w/o L-Glutamine, with Pluronic™	500 ml 1000 ml	D506-500ML D506-1000ML
DYNAMIC.CHO Feed 1, Supplement for CHO cells, w/o Insulin, w/o L-Glutamine, with PluronicTM	500 ml 1000 ml	D507-500ML D507-1000ML
DYNAMIC.CHO Feed 2, Supplement for CHO cells, w/o Insulin, w/o L-Glutamine	10 ml 50 ml	D508-10ML D508-50ML
DYNAMIC.CHO Starter Kit	Kit	D509-K1
DYNAMIC.HEK T	1000 ml	D510-1000ML
DYNAMIC.HEK S	1000 ml	D511-1000ML
DYNAMIC.HEK Feed	1000 ml	D512-1000ML
VeroGrow	500 ml 1000 ml	D513-500ML D513-1000ML
VeroGrow, w/o Phenol Red	500 ml 1000 ml	D515-500ML D515-1000ML
DYNAMIC.VERO, Chemically Defined Medium, w/o L-Glutamine	500 ml 1000 ml	D514-500ML D514-1000ML
DYNAMIC.VERO, Chemically Defined Medium, w/o L-Glutamine, w/o Phenol Red	500 ml 1000 ml	D516-500ML D516-1000ML

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