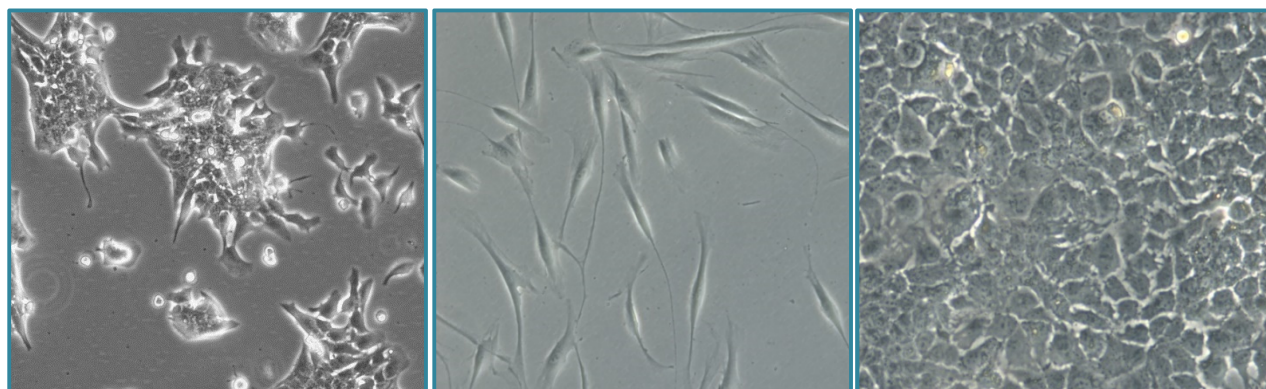


WE SUPPORT YOUR RESEARCH



Media and Supplements

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Cell culture media
Basic and Ready-to-use

The cell culture media listed below comprise either the *basic* media or the *ready-to-use* media. Supplementation with serum or other factors is required in the case of the *basic* media, whereas the *ready-to-use* media have been supplemented with glutamine, FBS and antibiotics already. Please note that the shelf lives of *ready-to-use media* is about eight weeks. Media are supplemented ahead of shipment, the date is indicated on the label.

Product name	Designation	Size	Order number
EMEM <i>basic</i>	Minimum Essential Medium Eagle supplemented with L-glutamine, sodium-pyruvate and NEAA	500 ml	820100a
EMEM <i>ready-to-use</i>	Minimum Essential Medium Eagle supplemented with L-glutamine, sodium-pyruvate, NEAA and 10% FBS	500 ml	820100
DMEM-HG <i>basic</i>	Dulbecco's Modification of Eagle's Medium supplemented with 4.5 g/l glucose and L-glutamine	500 ml	820300a
DMEM-HG <i>ready-to-use</i>	Dulbecco's Modification of Eagle's Medium supplemented with 4.5 g/l glucose, L-glutamine and 10% FBS	500 ml	820300
DMEM:Ham's F12 <i>basic</i>	DMEM:Ham's F12 (1:1, vol:vol) supplemented with L-glutamine and 15 mM HEPES	500 ml	820400a
DMEM:Ham's F12, <i>ready-to-use</i>	DMEM:Ham's F12 (1:1, vol:vol) supplemented with L-glutamine, 15 mM HEPES and 5% FBS	500 ml	820400
Ham's F12 <i>basic</i>	Ham's F12 supplemented with L-glutamine	500 ml	820600a
Ham's F12 <i>ready-to-use</i>	Ham's F12 supplemented with L-glutamine and 10% FBS	500 ml	820600
RPMI 1640 <i>basic</i>	RPMI 1640 supplemented with L-glutamine	500 ml	820700a
RPMI 1640 <i>ready-to-use</i>	RPMI 1640 supplemented with L-glutamine and 10% FBS	500 ml	820700
RPMI-HG <i>basic</i>	RPMI 1640 supplemented with 4.5g/L glucose, L-glutamine	500 ml	820702a
RPMI-HG <i>ready-to-use</i>	RPMI 1640 supplemented with 4.5g/L glucose, L-glutamine and 10% FBS	500 ml	820702
IDMDM <i>basic</i>	Iscove's Modification of DMEM supplemented with L-glutamine	500 ml	820800a
IDMDM <i>ready-to-use</i>	Iscove's Modification of DMEM supplemented with L-glutamine and 10% FBS	500 ml	820800
McCoy's 5a <i>basic</i>	McCoy's 5A supplemented with L-glutamine	500 ml	820200a

McCoy's 5a <i>ready-to-use</i>	McCoy's 5A supplemented with L-glutamine and 10% FBS	500 ml	820200
Medium 199 <i>basic</i>	Medium 199 supplemented with L-glutamine	500 ml	820101a
Medium 199 <i>ready-to-use</i>	Medium 199 supplemented with L-glutamine and 10% FBS	500 ml	820101

Specialty media for special cells			
I2Cult CTLL-2 <i>ready-to-use</i>	Complete medium Contains IL-2 Adjusted for the proliferation of CTLL-2 cells	1x250 ml	820709.1
I2Cult CTLL-2 <i>ready-to-use</i>	Complete medium Contains IL-2 Adjusted for the proliferation of CTLL-2 cells	5x250 ml	820709.2
I2Cult CTLL-2 <i>ready-to-use</i>	Complete medium Contains IL-2 Adjusted for the proliferation of CTLL-2 cells	10x 250 ml	820709.3
I2Cult medium <i>ready-to-use</i>	Complete medium Contains IL-2 Adjusted for the proliferation of IL-2 dependent cells	1x250 ml	820708.1
I2cult medium <i>ready-to-use</i>	Complete medium Contains IL-2 Adjusted for the proliferation of IL-2 dependent cells	5x250ml	820708.2
I2cult medium <i>ready-to-use</i>	Complete medium Contains IL-2 Adjusted for the proliferation of IL-2 dependent cells	10x 250ml	820708.3
DMEM:Ham's F12 for NCI-H295R, <i>basic</i>	DMEM:Ham's F12 (1:1) supplemented with L-glutamine, 15 mM Hepes, 0.00625 mg/ml insulin, 0.00625 mg/ml transferrin, 6.25 ng/ml selenium, 1.25 mg/ml bovine serum albumin, 0.00535 mg/ml linoleic acid. for NCI-H295R cells	500 ml	820402a
DMEM:Ham's F12 for NCI-H295R <i>ready-to-use</i>	DMEM:Ham's F12 (1:1) supplemented with L-glutamine, 15 mM Hepes, 0.00625 mg/ml insulin, 0.00625 mg/ml transferrin, 6.25 ng/ml selenium, 1.25 mg/ml bovine serum albumin, 0.00535 mg/ml linoleic acid and 2.5% Nu- Serum I for NCI-H295R cells	500 ml	820402
DMEM:Ham's F12 <i>ready-to-use</i>	DMEM:Ham's F12 (1:1) <i>ready-to-use</i> supplemented with L-glutamine, Insulin and 5% FBS for BT-474 cells	500 ml	820405

ECGM-MG <i>ready-to-use</i>	Endothelial cell growth medium Supplements included, low in serum for HUVEC	500 ml	820731
FRTL-MG <i>ready-to-use</i>	Coon's modification of Ham's F12 supplemented with L-glutamine, 6 hormones and 5% fetal bovine serum. for FRTL and FRTL-5 cells	500 ml	820601
RPMI 1640-GM-CSF, <i>ready-to-use</i>	RPMI 1640 medium supplemented with L-glutamine, 20% KMG-2 and 10% FBS for NFS-60 and TF-1 cells	500 ml	820701
Pro-Sf9, serum free <i>ready-to-use</i>	Pro-Sf9 culture medium, for serum free cell culture Supplemented with L-glutamine and antibiotics. Serum- and protein free for SF-9 cells	500 ml	820901
FGM-MG <i>ready-to-use</i>	Fibroblast Growth Medium Low serum content for Fibroblast cells	500 ml	820605
CAPME	Optimized cell culture medium for the Establishment of adherent cell lines from Tumor tissue or Xenograft tissue	250 ml	820412.1

Buffered Salt solution			
PBS w/o Ca²⁺ / Mg²⁺	Phosphate-buffered saline solution sterile, for cell culture	500 ml	860015

Serum free cell culture			
When using the synCDM or synCDS media, the cells must be adapted to the proliferation under serum-free conditions by slowly weaning them from FBS. One must be aware that it is a time-consuming task.			
iPSC-Gro	iPSC cell growth media Serum-free and xenofree Optimized for the cultivation of iPS cells	500 ml	860200
SynCDM	Chemically defined cell culture medium On the basis of RPMI 1640 Protein free	100 ml	860100
SynCDM	Chemically defined cell culture medium On the basis of RPMI 1640 Protein free	500 ml	860500
SynCDS	Chemically defined Serum Supplement, Protein free In combination with 450ml RPMI 1640, gives 500ml Ready-to-use medium	50 ml	860050

Cell culture media kits, xenofree, with hPL (human Platelet Lysate)

During the last couple of years, human Platelet Lysate (hPL) was tested as substitute for FBS in the culture of Mesenchymal cells and stem cells. Not only does hPL enhance the proliferation of hMSCs, but acts as a potent enhancer in the culture of tumor cell lines and primary cell lines as well.

- The hPL is of GMP quality
- Produced by Platelet Apheresis from max. 25 donors
- Rich in plasma
- Free of Psoralen and Fibrinogen - addition of heparin is not necessary
- Sterile filtered
- Tested for absence of Mycoplasma and bacterial Endotoxins
- Has a minimum content of PDGF (Platelet-Derived-Growth-Factor)
- Supports the proliferation of MSCs, HeLa, Caco-2, Renal Kidney tumor cell lines and many others

DMEM HG medium kit hPL	Dulbecco's Modification of Eagle's Medium Kit, 250 ml medium, basic and 12.5 ml hPL (5% final), deep-frozen	250ml	820308-hpl
DMEM:Ham's F12 medium kit hPL	DMEM:Ham's F12 medium kit 250 ml medium, basic and 12.5 ml hPL supplement (5% final), deep-frozen	250ml	820408-hpl
EMEM medium kit hPL	EMEM medium kit 250 ml medium, basic and 12.5 ml hPL supplement (5% final), deep-frozen	250ml	820108-hpl
Ham's F12 medium kit hPL	Ham's F12 medium kit 250 ml medium, basic 12.5 ml hPL supplement (5% final), deep-frozen	250ml	820608-hpl
IDMEM medium kit hPL	Iscove's Modification of DMEM medium kit 250 ml medium, basic 12.5 ml hPL supplement (5% final), deep-frozen	250ml	820808-hpl
RPMI 1640 medium kit hPL	RPMI 1640 medium kit 250 ml medium, basic 12.5 ml hPL supplement (5% final), deep-frozen	250ml	820708-hpl
PrimOR medium, ready-to-use	PrimOR medium, ready-to-use, with hPL supplemented with L-glutamine, heparin and 5% hPL (for HGF and other oral cells)	500 ml	820406

We at CLS have tested the proliferation of many cell lines from various tissues in the presence of hPL instead of FBS. Please ask for more by sending an e-mail to: support@clsghmbh.de if this might be of interest for you.

The Platelet lysate may be ordered separately as well, you will find the order number at the Supplements on page 7.

Cryopreservation media, ready-to-use

CLS has developed cryoprotective media (freeze media) for the various tumor cell lines of the CLS cell bank. The serum-containing freeze medium CM-1 shows high viabilities and good recoveries of the cell lines. Due to higher demands for serum-free culture conditions, the serum-free variation was developed and released after testing with differing cell lines and comparison with CM-1. Although the post-freezing cell viabilities, measured directly after thawing and removal of DMSO, are lower as with CM-1, but cell recoveries and proliferation thereafter were found to be very good.

CM-1	Cryoprotective media, w. serum, for mammalian cells	25ml	800125
CM-1	Cryoprotective media, w. serum, for mammalian cells	50ml	800150
CM-ACF	Cryoprotective medium, serum free, Animal-Component free for mammalian cells	25ml	800625
CM-ACF	Cryoprotective medium, serum free, Animal-Component free for mammalian cells	50ml	800650

Conditioned media

Cell lines do release many factors during proliferation, such as growth factors and adhesion factors. The supernatant from the cell lines, after removal of any residual cells or debris and filtered, is called conditioned media.

CLS manufactures two main products from cell lines: KMG-2, which supports the proliferation of hematopoietic cells and contains GM-CSF, and KMG-5, comprising interleukins and other factors.

KMG-2	Conditioned growth supplement for Hematopoietic cells, with GM-CSF	25 ml	810225
KMG-2	Conditioned growth supplement for Hematopoietic cells, with GM-CSF	50 ml	810250
KMG-5	Conditioned growth supplement for Blood cells, with IL-3	25 ml	810525
KMG-5	Conditioned growth supplement for Blood cells, with IL-3	50 ml	810550

Detachment solution			
Accutase	Accutase , Cell Detachment Solution Cell Culture grade	100ml	830100

Cytokines			
rhIL-2	Recombinant human Interleukin-2 expressed in CHO cells glycosylated and non-glycosylated	1x10 ⁴ IU/ml	840010.1
rhIL-2	Recombinant human Interleukin-2 expressed in CHO cells glycosylated and non-glycosylated	1x10 ⁵ IU/ml	840010.2
rhIL-2	Recombinant human Interleukin-2 expressed in CHO cells glycosylated and non-glycosylated	1x10 ⁶ IU/ml	840010.3

Supplements			
Human Platelet Lysate (hPL)	Isolated from human platelets (acc. to GMP) Cell culture grade; comes in a conical tube; free of heparin Ready-to-use: thaw - mix - test	12,5 ml	860065
FBS	Fetal Bovine Serum EU-Standard; gamma-irradiated	25 ml	840903-25
FBS	Fetal Bovine Serum EU-Standard; gamma-irradiated	50 ml	840903-50
FBS	Fetal Bovine Serum US-Standard; gamma-irradiated	25 ml	840904-25
FBS	Fetal Bovine Serum US-Standard; gamma-irradiated	50 ml	840904-50

All of the products presented above are intended for research use only, not to be used in humans or for therapeutic or diagnostic applications.

The General Terms and Conditions of Supply of CLS Cell Lines Service GmbH are valid. According to the Terms, the products are not intended to be resold and/or modified for resale. Their usage in order to provide commercial services or to manufacture commercial products is prohibited unless approved in writing by CLS.

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