

CLASSICAL MEDIA

Customised Manufacturing

In addition to Serana's standard QC control procedures, many additional tests can be carried out upon at our client's request. Also, should you require a component or a test that is not specifically listed, please speak to your customer representative to see if our manufacturing and QC processes can provide you with a solution customised according to your needs.

CAUTION

All our media is intended for in vitro laboratory use or further manufacturing only.

SERANA'S MANUFACTURING OF LIQUID MEDIA

Serana cell culture media is manufactured under stringent standards of operating procedures. A variety of tests are performed including for endotoxin, pH value, and osmolality on each lot of 0.1 µm sterile filtered media. Only batches that pass Serana's rigorous quality control procedures are released for sale. Detailed certificates of analysis are prepared and made available for each lot produced.

STABLE GLUTAMINE

L-Alanyl-L-Glutamine contains a stabilised dipeptide form of L-Glutamine and can be metabolised by many cells in the same manner as L-Glutamine. Serana uses this stable form of L-Glutamine in many of its cell culture media.

L-GLUTAMINE

L-Glutamine is an essential amino acid which is required for cell culture, however, it can degrade in storage or during incubation. Therefore, Serana recommends the addition of fresh L-Glutamine to the cell culture medium at the time of use. Serana supplies frozen L-Glutamine for this purpose.

¹ Shelf Life from DOM

CLASSICAL MEDIA

Last updated: August 2019. webinque / Shutterstock.com



CLASSICAL MEDIA

CERTIFIED QUALITY FOR YOUR SUCCESS

Serana cell culture media is manufactured under stringent standard operating procedures. A variety of tests are performed including endotoxin, pH value, and osmolality on each lot of 0.1 µm sterile filtered media. Only batches that pass Serana's rigorous quality control procedures are released for sale. Detailed certificates of analysis are prepared and made available for each lot produced.

ORDER ONLINE AT
[SERANA-EUROPE.COM](https://www.serana-europe.com)

OR SEND US AN E-MAIL
orders@serana-europe.com

SERANA EUROPE GMBH
Dorfstrasse 17A
14641 Pessin, Germany

CLASSICAL MEDIA



SERANA'S CLASSICAL POWDER AND LIQUID MEDIA'S FAMILY INCLUDES

- Dulbecco's Minimum Essential Media
- Ham's F-12
- Medium 199
- Minimum Essential Media
- RPMI 1640
- Iscove's Modified DMEM
- Leibovitz's L-15 Medium
- McCoy's 5A Medium

ADDITIONAL INFORMATION

Preparation of concentrated medium is not recommended since free base amino acids and salt complexes, having low solubility, may precipitate in concentrated medium.

of medium and volume of culture vessel used (surface to volume ratio). For example, in large bottles pH tends to rise perceptibly as a significant volume of carbon dioxide is released. Therefore, optimal conditions of pH, sodium bicarbonate concentration and surface to volume ratio must be determined for each cell type. We recommend stringent monitoring of

pH. If needed, pH can be adjusted by using sterile 1 M HCl or 1 M NaOH, or by bubbling in carbon dioxide.

If required, supplements can be added to the medium prior to or after filter sterilisation observing sterility precautions. The shelf life of the medium will depend on the nature of supplement added to the medium.



ORDERING INFORMATION

PRODUCT	OPTIONS	VOLUME	STORAGE	SHELF LIFE ¹	CODE
DMEM	W/ Low Glucose, L- Glutamine and Sodium Pyruvate.	500 ml	2 to 8°C	12 Months	MCL-015-500ML
DMEM	W/ Low Glucose and Sodium Pyruvate. W/o L- Glutamine.	500 ml	2 to 8°C	24 months	MCL-019-500ML
DMEM	W/ Low Glucose, Stable Glutamine, and Sodium Pyruvate.	500 ml	2 to 8°C	18 Months	MCL-044-500ML
DMEM	W/ High Glucose, L- Glutamine, and Sodium Pyruvate.	500 ml	2 to 8°C	12 months	MCL-002-500ML
DMEM	W/ High Glucose and L- Glutamine. W/o Sodium Pyruvate.	500 ml	2 to 8°C	12 months	MCL-004-500ML
DMEM	W/ High Glucose, W/o L- Glutamine and Sodium Pyruvate.	500 ml	2 to 8°C	24 months	MCL-005-500ML
DMEM	W/ High Glucose, Stable Glutamine and 25 mM HEPES.	500 ml	2 to 8°C	18 months	MCL-045-500ML
DMEM	W/ High Glucose and Stable Glutamine.	500 ml	2 to 8°C	18 months	MCL-046-500ML
DMEM	W/ High Glucose and Sodium Pyruvate. W/o L- Glutamine.	500 ml	2 to 8°C	24 months	MCL-008-500ML
DMEM / Ham's F-12	W/ L- Glutamine.	500 ml	2 to 8°C	12 months	MCL-047-500ML
DMEM / Ham's F-12	W/o L- Glutamine. W/ 15 mM HEPES.	500 ml	2 to 8°C	24 months	MCL-048-500ML
Ham's F-12	W/ L- Glutamine.	500 ml	2 to 8°C	12 months	MCL-029-500ML

¹ Shelf Life from DOM

ORDERING INFORMATION

PRODUCT	OPTIONS	VOLUME	STORAGE	SHELF LIFE ¹	CODE
Medium 199	W/ Earle's Salts and L- Glutamine. W/o Phenol Red.	500 ml	2 to 8°C	12 months	MCL-032-500ML
Medium 199	W/ Earle's Salts and L- Glutamine.	500 ml	2 to 8°C	12 months	MCL-033-500ML
Medium 199	W/ Earle's Salts. W/o L- Glutamine.	500 ml	2 to 8°C	12 months	MCL-034-500ML
IMDM	W/ L- Glutamine. W/o Supplements.	500 ml	2 to 8°C	12 Months	MCL-049-500ML
Leibovitz's L-15 Medium	W/o L- Glutamine.	500 ml	2 to 8°C	24 months	MCL-050-500ML
McCoy's 5A Medium	W/ L- Glutamine.	500 ml	2 to 8°C	12 Months	MCL-051-500ML
MEM	W/ Earle's Salts and L- Glutamine.	500 ml	2 to 8°C	12 Months	MCL-052-500ML
MEM Alpha Modification	W/o L- Glutamine. W/ Nucleosides.	500 ml	2 to 8°C	24 months	MCL-053-500ML
MEM Alpha Modification	W/o L- Glutamine. W/o Nucleosides.	500 ml	2 to 8°C	24 months	MCL-054-500ML
MEM	W/ Earle's Salts and Stable Glutamine.	500 ml	2 to 8°C	18 Months	MCL-055-500ML
MEM	W/ Earle's Salts. W/o L- Glutamine.	500 ml	2 to 8°C	24 months	MCL-056-500ML
RPMI 1640	W/ L- Glutamine.	500 ml	2 to 8°C	12 Months	MCL-037-500ML
RPMI 1640	W/ L- Glutamine and 25 mM HEPES.	500 ml	2 to 8°C	12 Months	MCL-038-500ML
RPMI 1640	W/o L- Glutamine.	500 ml	2 to 8°C	24 months	MCL-039-500ML
RPMI 1640	W/ Stable Glutamine.	500 ml	2 to 8°C	18 Months	MCL-041-500ML
RPMI 1640	W/o L- Glutamine and Phenol Red.	500 ml	2 to 8°C	24 months	MCL-042-500ML
RPMI 1640	W/ 25 mM HEPES. W/o L- Glutamine.	500 ml	2 to 8°C	24 months	MCL-043-500ML
DMEM	W/ High- Glucose, L- Glutamine, and Sodium Pyruvate.	50 L	2 to 8°C	4 Years	MCP-002-50L

¹ Shelf Life from DOM

ORDERING INFORMATION

PRODUCT	OPTIONS	VOLUME	STORAGE	SHELF LIFE ¹	CODE
DMEM	W/ High- Glucose, and L- Glutamine. W/o Sodium Pyruvate.	50 L	2 to 8°C	4 Years	MCP-004-50L
DMEM	W/ Low Glucose, L- Glutamine and Sodium Pyruvate.	50 L	2 to 8°C	4 Years	MCP-015-50L
DMEM / Ham's F-12	W/ L- Glutamine and 15 mM HEPES.	50 L	2 to 8°C	4 Years	MCP-023-50L
DMEM / Ham's F-12	W/ L- Glutamine.	50 L	2 to 8°C	4 Years	MCP-047-50L
Ham's F-12	W/ L- Glutamine.	50 L	2 to 8°C	4 Years	MCP-029-50L
Medium 199	W/ Earle's Salts and L- Glutamine. W/o Phenol Red.	50 L	2 to 8°C	4 Years	MCP-032-50L
Medium 199	W/ Earle's Salts and L- Glutamine.	50 L	2 to 8°C	4 Years	MCP-033-50L
Medium 199	W/ Earle's Salts. W/o L- Glutamine.	50 L	2 to 8°C	4 Years	MCP-034-50L
RPMI 1640	W/ L- Glutamine.	50 L	2 to 8°C	4 Years	MCP-037-50L
RPMI 1640	W/ L- Glutamine and 25 mM HEPES Buffer.	50 L	2 to 8°C	4 Years	MCP-038-50L
RPMI 1640	W/o L- Glutamine.	50 L	2 to 8°C	4 Years	MCP-039-50L
RPMI 1640	W/ Stable Glutamine.	50 L	2 to 8°C	4 Years	MCP-041-50L
RPMI 1640	W/o L- Glutamine and Phenol Red.	50 L	2 to 8°C	4 Years	MCP-042-50L
RPMI 1640	W/ 25 mM HEPES buffer.	50 L	2 to 8°C	4 Years	MCP-043-50L
MEM	W/ Earle's Salts and L- Glutamine	50 L	2 to 8°C	4 Years	MCP-052-50L

¹ Shelf Life from DOM