

# Corning® Cell Culture Supplements

CORNING

Growth supplements are used in cell culture to support the optimal propagation of cells in culture. These supplements include essential biological molecules such as proteins or fatty acids, trace elements, metals or other essential nutrients.

Media supplemented with animal serum does not always require additional growth factors because animal serum contains these necessary compounds. Growth supplements are usually required when using basal medium under reduced-serum or serum-free culture conditions. Corning offers several high quality growth supplements to support a variety of research needs.

L-glutamine is an essential amino acid required by most mammalian and insect cells grown in culture. Once deaminated, L-glutamine becomes an energy source, it is then incorporated into protein, and is used in nucleic acid metabolism.

Corning® glutagro™ supplement is comprised of L-alanyl-L-glutamine, which is a dipeptide derivative of L-glutamine. L-alanyl-L-glutamine incorporates L-alanine to protect the unstable alpha amino acid group of L-glutamine. Degradation of L-alanyl-L-glutamine does not result in the production of potentially harmful ammonia. Aminopeptidases within the cells cleave the dipeptide, gradually releasing both L-glutamine and L-alanine for use by the cell. Extremely stable, the dipeptide can tolerate autoclaving with minimal loss.

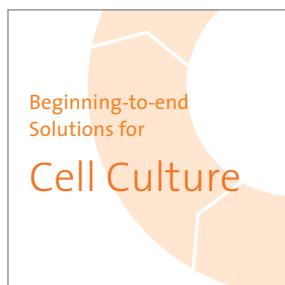
Corning Insulin Transferrin Selenium (ITS) is formulated with human recombinant proteins, insulin and transferrin. When supplemented at a dilution of 1:100, ITS enables the use of a reduced amount of Fetal Bovine Serum (FBS) in the culture medium. ITS is also required for optimal performance in serum-free and reduced-serum conditions.



## Ordering Information

Cat. No.	Description	Unit Size	Qty/Pk
25-005-CI	L-glutamine 200 mM solution, 29.23 mg/mL	100 mL	6
25-005-CV	L-glutamine 200 mM solution, 29.23 mg/mL	500 mL	6
61-030-RM	L-glutamine powder (MW 146.15)	100 g	1
61-030-RO	L-glutamine powder (MW 146.15)	500 g	1
61-030-RR	L-glutamine powder (MW 146.15)	1 kg	1
25-015 CI	Corning® glutagro™ 200 mM solution	100 mL	1
25-800-CR	Insulin-Transferrin-Selenium (ITS), 100x Solution	10 mL	1

**Warranty/Disclaimer:** Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Not for use in humans. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.



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At Corning, cells are in our culture. In our continuous efforts to improve efficiencies and develop new tools and technologies for life science researchers, we have scientists working in Corning R&D labs across the globe, doing what you do every day. From seeding starter cultures to expanding cells for assays, our technical experts understand your challenges and your increased need for more reliable cells and cellular material.

It is this expertise, plus a 160-year history of Corning innovation and manufacturing excellence, that puts us in a unique position to offer a beginning-to-end portfolio of high-quality, reliable cell culture consumables.

For additional product or technical information, please visit [www.corning.com/lifesciences/media](http://www.corning.com/lifesciences/media) or call 1.800.235.5476.

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