

# Corning® Cytokines, Growth Factors, and Other Media Supplements

## Frequently Ordered Products

CORNING

### Corning Interleukin-2 (IL-2), Human Recombinant

Corning IL-2, human recombinant, promotes long-term proliferation of activated T-cells. Also known as T-cell growth factor, IL-2 plays a central role in cell-mediated immune response.

### Corning IL-3 Culture Supplement, Mouse

Corning IL-3 Culture Supplement, mouse, is used to culture a variety of IL-3 responsive cells, e.g., mast cells, basophils, natural killer cells, and several hematopoietic precursor cells.

### Corning Basic Fibroblast Growth Factors (bFGF), Human Recombinant

Corning bFGF, human recombinant, is a heparin-binding mitogenic protein that enhances the proliferation of a wide variety of cell types under serum-free or reduced serum conditions.

### Corning ITS and ITS+ Universal Culture Supplements\*

Corning ITS and ITS+ Universal Culture Supplements contain insulin, human transferrin, and selenous acid, the three most universally essential components of defined culture media. The concentrated supplements stimulate cell proliferation in a variety of cells under reduced serum conditions.

\* ITS and ITS+ differ in formulation, state, and recommended dilution into serum-free media

### Corning Epidermal Growth Factor (EGF), Mouse Natural (Culture Grade)

Corning EGF, mouse natural is a low-molecular weight mitogenic protein that stimulates proliferation of a wide variety of cell types *in vitro*.

### Corning Epidermal Growth Factor (EGF), Human Recombinant

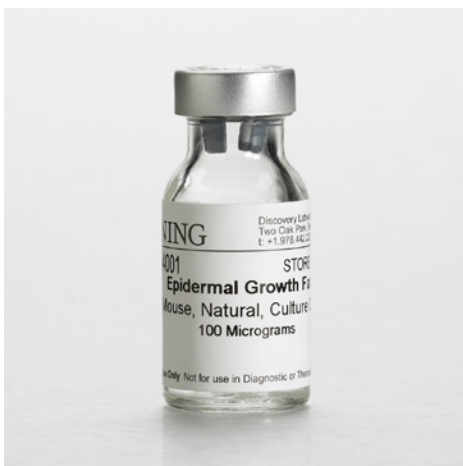
Corning EGF, human recombinant, is a low-molecular weight mitogenic protein that stimulates proliferation of a wide variety of cell types *in vitro*.

### Corning Endothelial Cell Growth Supplement (ECGS)

Corning ECGS is a broadly used supplement for culturing a variety of cells, particularly endothelial cells. ECGS contains various growth factors (e.g., acidic FGF or ECGF-a).

### Corning T-Cell Culture Supplement with ConA (IL-2 Culture Supplement), Rat

Corning IL-2 Culture Supplement, rat, is used to promote proliferation and activation of T-cells and support high-titer HIV production by leukocytes.



## About Corning® Cytokines, Growth Factors, and Other Media Supplements

Our portfolio of cytokines, growth factors, and media supplementation offers a wide array of proteins that result in proliferation or differentiation of the affected cells.

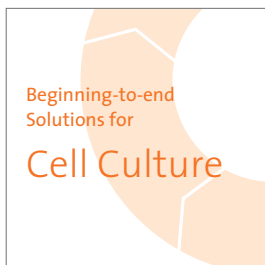
Cytokines are a class of signaling molecules or intercellular mediators (proteins, peptides, and glycoproteins) that primarily affect cells of the immune system; however they can affect various cell types outside of the immune system. They differ from classical hormones in that they are produced by a number of tissue or cell types rather than by specialized glands. The effects of cytokines on cells can yield different outcomes. Some cytokines cause cell proliferation, while others may cause chemotaxis between cell types, and others can even cause cell death. Cytokines and growth factors are similar in their structure and mechanism of action. Both bind and initiate signaling pathways and many share several intracellular signaling components.

Growth factors are proteins that bind to receptors found on the surface of non-hematopoietic cells. Each family of growth factors affect specific cell types, e.g., nerve growth factors (NGF) affect nerve cell types, and epidermal growth factors (EGF) affect epithelial cell types.

These products provide researchers in academia and the pharmaceutical industry with research tools as the need for defined, serum-free media grows. Selecting the appropriate growth factors and cytokines for your application is important – this is often based on existing protocols, experience, or experimentation. The mechanism of action of some growth factors is still heavily researched. Some cell lines depend on certain supplementation – whether that be a general growth supplement or a pinpointed growth factor – to differentiate or proliferate.

## Ordering Information

Cat. No.	Brand	Description	Unit Size	Qty/Pk
354043	Corning	Interleukin-2 (IL-2), Human Recombinant	10,000 BRMP Units	1
354040	Corning	IL-3 Culture Supplement, Mouse	25 mL	1
354060	Corning	Basic Fibroblast Growth Factors (bFGF), Human Recombinant	10 µg	1
354001	Corning	Epidermal Growth Factor (EGF), Mouse Natural (Culture Grade)	100 µg	1
354052	Corning	Epidermal Growth Factor (EGF), Human Recombinant	100 µg	1
354352	Corning	ITS+ Premix Universal Culture Supplement	20 mL	1
354351	Corning	ITS Premix Universal Culture Supplement	5 mL	1
356006	Corning	Endothelial Cell Growth Supplement (ECGS)	100 mg	1
354006	Corning	Endothelial Cell Growth Supplement (ECGS)	15 mg	1
354115	Corning	T-Cell Culture Supplement with ConA (IL-2 Culture Supplement), Rat	100 mL	1



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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.

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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