



Serum-Free Media Supplements



An ideal cell-culture media formulation should have a chemically-defined composition and the capacity to support the growth of specific cell types as well or better than serum-containing media formulations. To attain media with such specifications, we have developed three animal-free culture-media supplement kits, designated **PeproGrow-1**, **PeproGrow-2** and **PeproGrow-3**.

PeproGrow-1 is designed to be used as a supplement to serum-free formulations that can sustain the viable cell growth of adherent mammalian cell lines, and has been tested with HeLa, HEK293 and A549 cells. PeproGrow-2 is designed to promote growth and protein production in NSO cell-culture suspensions. PeproGrow-3 is designed to be used as a supplement to serum-free cell culture media

formulations that can sustain the growth of CHO suspension cultures. All three kits are protein-free, have a chemically-defined composition, and do not contain any animal-derived materials.

The ability to culture cells in the absence of serum not only eliminates a significant source of contamination and variability, but also lowers cost and simplifies downstream processing and purification of culture-derived proteins. Our Media Supplement Kits represent a cost effective way to optimize and expand production of your proteins. All three kits have been pre-tested for viable cell growth and recombinant protein production and contain only certified animal-free components. PeproGrow-1, PeproGrow-2 and PeproGrow-3 formulations are propriety to PeptoTech, Inc.

Animal-Free Cell Culture Media Supplements Kits

PeproGrow-1 (Catalog #700-C100) is an Adherent Mammalian Cell Formula designed specifically to be used with DMEM/F12 basal media (not offered by PeptoTech) and has been pre-tested with HeLa, HEK-293, and A549 cells. This kit could potentially improve the culturing conditions of other adherent cells, but suitability for cells other than those pre-tested is not guaranteed. Each PeproGrow-1 kit contains enough material to supplement 10L of media and includes:

- 100x Serum Replacement Solution (Catalog #SR100) containing a defined mixture of rare-metal salts.
- 200x Lipid Mixture Solution (Catalog #LM200) containing a mixture of animal-free fatty acids and lipids.

PeproGrow-2 (Catalog #700-C200) is an NSO Suspension Formula designed specifically to be used with DMEM/F12 as a basal media, and has been pre-tested in NSO suspension cultures. This formula could potentially improve the culturing conditions of NSO-derived hybridomas, but such suitability is not guaranteed. Each PeproGrow-2

kit contains enough material to supplement 10L of media and includes:

- 100x Serum Replacement Solution (Catalog #SR100) containing a defined mixture of rare-metal salts.
- 1000x Cholesterol Concentrate Solution (Catalog #CC300) containing a mixture of animal-free cholesterol and lipids.
- 250x Lipid Carrier Solution (Catalog #LC400) containing cyclodextrin capable of forming complexes with cholesterol and thereby enhancing its transport and solubility in aqueous solutions.
- 100x Pluronic F-68 Solution (Catalog #PF500) which renders the cells more resistant to shear force.

PeproGrow-3 (Catalog #700-C300) is designed to be used as a supplement to serum-free cell culture media formulations that can sustain the growth of CHO suspension cultures. PeproGrow-3 is serum-free and does not contain any animal-derived materials. It is intended specifically to be used with DMEM/F12 basal media (Invitrogen catalog# 10565) and contains enough material to supplement 10L of media.

- Serum Replacement Solution-II (Catalog #SR110) containing non-animal derived salts, lipid and protein hydrolysates designed to replace serum in CHO culture media.
- 100x Pluronic F-68 Solution (Catalog #PF500) which renders the cells more resistant to shear-force.

Kit	Catalog Number	Price
PeproGrow-1	700-C100	\$195
PeproGrow-2	700-C200	\$195
PeproGrow 3	700-C300	\$195



Animal-Free Recombinant Proteins



To keep up with current research and growing demand we have recently expanded our production capabilities to include a 5000 sq. ft., animal-free manufacturing facility. Our goal is to provide you with animal-free recombinant proteins and other reagents capable of equaling or enhancing the performance of animal-derived media formulations. Please contact us at info@peprotech.com for a list of animal-free products currently available as well as those in our pipeline.

Currently Available Animal-Free Recombinant Proteins

Animal-Free Products

<i>Product Name</i>	<i>Catalog Number</i>	<i>Size B/Price</i>	<i>Price/mg</i>
Human Heregulin β -1	AF-100-03.....	50 μ g/\$215	\$1,650
Human PIGF-1	AF-100-06.....	25 μ g/ \$215	\$3,300
Human IGF-I	AF-100-11.....	100 μ g/\$215	\$320
Human PDGF-BB	AF-100-14B	10 μ g/\$215	\$4,300
Human EGF	AF-100-15.....	500 μ g/\$195	\$250
Human FGF-acidic.....	AF-100-17A	50 μ g/\$215	\$1,650
Human FGF-basic	AF-100-18B	50 μ g/\$215	\$1,500
Human KGF.....	AF-100-19.....	10 μ g/\$215	\$5,700
Human VEGF	AF-100-20.....	10 μ g/\$215	\$4,300
Human SOD.....	AF-150-10.....	10 μ g/\$215	\$5,200
Human IL-2	AF-200-02.....	50 μ g/\$215	\$850
Human IL-3.....	AF-200-03.....	10 μ g/\$215	\$3,300
Human IL-4	AF-200-04.....	10 μ g/\$215	\$4,300
Human GM-CSF.....	AF-300-03.....	10 μ g/\$215	\$3,500
Human SCF	AF-300-07.....	10 μ g/\$215	\$3,300
Human TPO	AF-300-18.....	10 μ g/\$215	\$4,700
Human Flt-3 Ligand.....	AF-300-19.....	10 μ g/\$215	\$4,300
Human M-CSF	AF-300-25.....	10 μ g/\$215	\$5,700
Murine GM-CSF.....	AF-315-03.....	10 μ g/\$215	\$3,500
Rat TPO	AF-400-34.....	10 μ g/\$215	\$4,700