

Mammary Epithelial Growth Supplement (MEGS) *Cell Culture-Growth Supplements*

Catalogue Number: CC022

Description: Over the last two decades cell biologists have made tremendous gains on culturing primary mammary epithelial cells. The finding that culture media containing fetal bovine serum were in fact growth inhibitory to cells of epithelial origin, necessitated the use of alternative supplementation. Although we are now able to use many purified growth factors and hormones, most primary culture systems still require some additional supplementation from crude tissue extracts for extended passaging especially at monolayer densities. MEGS continues to be the most successful of the tissue-sourced extracts to date and has allowed researchers to study normal primary cell types, particularly epithelial cell of a variety of origins. Because this MEGS prep is such a highly concentrated source of putative mitogens and growth factors it can be used at 10-20 times lower the volumes required of serum providing savings in costs. MACGENE's MEGS is made from fresh, unfrozen glands to ensure maximal mitogenic response supplemented with several growth essentials. Please note that because this is a complex mixture of factors, different cell types may require unique levels especially when using alternative basal media and supplements.

Formulation: Sterile filtered

Endotoxin: <20 EU/mL

Pack Size: 1 mL

Storage/Stability: -20 °C for up to 2 years. Repeated freezing and thawing is not recommended.

Components:

Ingredients	MEGS	Final
Bovine Pituitary Extract:	40%	0.4%
Epidermal Growth Factor (hr):	300 ng/ml	3 ng/ml
Hydrocortisone:	50 ug/ml	0.5ug/ml
Insulin:	500 ug/ml	5 ug/ml

FOR RESEARCH USE ONLY, NOT FOR USE IN DIAGNOSTIC AND THERAPEUTIC PROCEDURES



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