上海源叶生物科技有限公司
Shanghai yuanye Bio-Technology Co., Ltd
电话：400-666-5481　传真：021-55068248
网址：www.shyuanye.com
邮箱：3008007435@qq.com

内皮细胞生长补充剂 ECGS 说明书

INTRODUCTION

The endothelial cell growth supplement (ECGS) is a bovine neural tissue extract containinggrowth-promoting factors for mammalian vascular endothelial cells and can improve the proliferationof humanumbilical vein endothelial cells (HUVEC). ECGS is crucial for the differentiation and proliferation of endothelial cells. It can coordinate with interleukin-1 (IL-1) and mediate matrix remodeling invascularsmooth muscle cells (VSMC).

ECGS is prepared by modifying the method of Maciag et al. and is lyophilized froma sterilesolutioncontaining NaCl and streptomycin sulfate. It has been reported that ECGS, as a mediumsupplement, can play a positive role in the fusion and growth of hybridoma cells for monoclonal antibody production.

STORAGE AND STABILITY

Store at -20°C in the dark for 12 months.

GUIDELINES FOR USE

ECGS is provided as a sterile lyophilized powder, with each vial containing 15 mg of protein. Touse, add 0.5 mL of sterile PBS or ddH2O to the vial and gently swirl until the contents are dissolved, resultingin a stock solution of 30 mg/mL ECGS. This stock solution should be further diluted in a steriletissueculture medium to achieve the desired working concentration. The optimal range for promoting vascular endothelial cell growth is 10-300 μg/mL.

PRODUCT NOTICES

1. After receiving the product, reconstitute it and then aliquot into small volumes for storage at -20℃forup to 6 months or at 2~8℃ for no more than one week. Avoid

repeated freeze-thawcycles.

2. This product is intended for use by professionals for scientific research only and is not to beusedforclinical diagnosis or treatment, food, or pharmaceuticals. It should not be stored in a residential area.

3. For your safety and health, please wear a lab coat and disposable gloves during operation.