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Guidelines for Use

Cellastim™

Recombinant Human Serum Albumin
Cell culture grade
Animal-free
Immunoglobulin free

Introduction

Cellastim is a recombinant human serum albumin (HSA) that has been produced from an animal-free expression system. Cellastim has identical amino acid sequence and similar biophysical characteristics to the major HSA isoform found in human serum. Albumin is a cell culture supplement that functions as a carrier protein for fatty acids, growth factors, and trace minerals. Albumin also protects cells from damage due to toxins and by physical shear. Albumin is a common ingredient in many classical and custom media formulations. Albumin is used to reduce or eliminate serum and to support cell growth, health, and productivity.

The optimum concentration of albumin for cell culture varies with cell line and media. Many classical media formulations include albumin at concentration between 0.5 and 2 g/L.

Storage

Recommended storage at -20°C-8°C, tightly sealed, and protected from light.

Instructions for use

Cellastim can be used as a media supplement at concentrations up to 5 g/L. Prepare liquid stocks by dissolving in cell culture grade water with gentle mixing or inversion. A 10% w/v solution in water will contain approximately 50 mM NaCl.

We recommend gradual adaptation of cell lines over several passages to a concentration of 0.5 to 2g/L. Following adaptation, the end user can optimize Cellastim concentration for their particular purpose. Cell lines previously adapted to a medium containing albumin typically require little adaptation to Cellastim.

For further information on Cellastim contact InVitria technical support at 1-800-916-8311.