

Cellastim STM

Guidelines for Use

Cellastim STM

Recombinant Human Serum Albumin
Cell Culture Grade
Animal-Free
cGMP

Introduction

Cellastim STM is an animal component free (ACF) human serum albumin (HSA) that has been designed and optimized to enhance cell doubling times, deliver essential lipids, provide micronutrients and antioxidants, and reduce oxidative stress in cell culture applications. Cellastim STM has the identical amino acid sequence as the major HSA isoform found in human serum. Cellastim STM is lipid-enhanced (1.4% by weight) for excellent, consistent growth and directed differentiation of a wide variety of human cell types, including T-Lymphocytes, HEK293, hybridoma/NS0, CHO, fibroblasts, mesenchymal stem cells, hematopoietic stem cells, and virus production in VERO/MDCK cell culture. Every lot of Cellastim STM is tested with multiple T lymphocyte donors to ensure consistency and performance.

The optimum concentration of albumin for cell culture applications varies with the type of cell and the composition of the medium. Albumin is typically used at concentrations of 0.5 to 2 g/L in media formulations.

To learn more about recommended inclusion concentrations for your cell type please contact our Product Applications Team via ProductApplications@InVitria.com

Storage

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

Instructions for use

Prepare concentrated liquid stocks of Cellastim STM by dissolving in basal media, cell culture grade PBS or water. For more detailed instructions on reconstitution, InVitria has produced a [written reconstitution protocol](#) and a step-by-step video that walks you through the preparation of an albumin stock available [online](#).