

★ Storage

Store at 2-8°C.

★ Contents

- Product Manual
- 0.5M CaCl₂ Solution

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Shipping Condition

Ship at ambient.

★ Introduction

Calcium is an ionically stable divalent cation with both beneficial and toxic properties in cell culture media. It is a component of a wide range of cell culture media. The concentration of calcium found in classic media and their derivatives varies from 0 in BGJb Medium Fitton-Jackson Modification, developed to culture cartilagenous embryonic bone, to 2 mM in MCDB media 201, developed to culture Chick Embryo Fibroblasts, an attached cell line. As a general rule, the highest concentrations of calcium are found in serum supplemented, such as FBS, classic media developed for attached cell types. Sera generally protects cells from oxidative damage. Calcium levels are generally lower in serum-free media and media developed for primary and clonal cell culture. This may be due to the fact that primary cells and cells grown at clonal densities are susceptible to the toxic influx of calcium through cell membranes damaged by oxidative processes, prevalent in serum-free culture media, and enzymatic and mechanical processing. Since calcium affects cell signaling and differentiation as well as cell attachment, media developed for specific cell types may require substantially lowered calcium levels.

★ Related Products

Product Name	Cat No
Albumin	A0100
Ceracryo Cell Freezing Media, Xeno Free	C0667
Cellmaxin, 10mg/ml	C3314
Cellmaxin Plus, 10.5mg/ml	C3319
Dulbecco's Phosphate-Buffered Saline(dPBS)	CA008
Scraptase, Non-animal Original Dissociation Reagent (1X)	CA110
Ceracol Collagen Type I Solution, 1mg/ml	CA081
Fibronectin, Bovine, Stabilized Solution, 1mg/ml	CA082
Fibronectin, Human, Stabilized Solution, 1mg/ml	CA083
Insulin-Transferrin-Selenium Solution I (1,000X), Animal Free	CA200
Fetal Bovine Serum, Premium, US Origin	F0600
FBS, Mouse Embryonic Stem Cell and iPSC Optimized	F0650
FBS Opti-Gold	F0900
FBS OptiGold, Premium, Heat Inactivated	F0910
LIF, Mouse Recombinant, 10 MIU/ml	L4501
WATER, 0.1um Final Filtered, cell culture tested	W0900