



Collagenase-Dispase® Solution

3 mg/ml of Collagenase I and 4mg/ml of Dispase in Dulbecco's Phosphate Buffered Saline Without Calcium and Magnesium

Product Code: TCL142

Product Description:

Dipase is a neutral, rapid-acting, gentle protease that can separate intact epidermis from dermis. It also separates cultured intact epithelial cells from the substratum. Collagenase is a protease which deserves the triple-helical protien called collagen. There are three types of tissue collagenases, and these belong to the matrix metalloprotienases (MMP) family. Collagenase obtained from Clostridium histolyticum has a very strong activity, as it digests collagen from both ends, at temperatures as low as 4-10°C. Collagenase/Dipase[®] is used for the preparation of cells from a variety of different tissues and organs.

TCL142 contain 3mg/ml of Collagenase I and 4mg/ml of Dipase in Dulbecco's Phosphate Buffered Saline which does not contain Calcium and Magnesium.

Quality Control:

Appearance

Brown Color, clear solution

pН

6.90 - 7.50

Osmolality in mOsm/Kg H₂O 265.00 - 305.00

Sterility

No bacterial or fungal growth is observed after 14 days of incubation, as per USP specification.

Cultural Response

Cell dissociation test: Passes

Storage and Shelf Life:

Store at -30°C to -10°C. Shelf life of the product is 24 months Use before the expiry given on the product label.

Revision Date .: 04/2025

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