

# Collagen Peptide Solution 1%

With 1% Collagen Peptide in Dulbecco's Phosphate Buffered Saline

**Product Code: TCL127**

## Product Description:

Collagen peptide is the hydrolyzed form of collagen type I. It is a fibrous protein found in the extracellular matrix of living cells. Hydrolysis of collagen makes it soluble in cold water and it loses its gelling property.

Collagen peptides contains higher concentration of glycine, proline and hydroxyproline. These amino acids are very important in binding fibrous tissue. Since collagen peptide is a component of the extracellular matrix, treatment with collagen peptides improves the attachment and proliferation of many types of cells in culture. The attachment is mediated through the  $\alpha 2 \beta 1$  integrin receptors present on the surface of the cells. Coating with hydrolyzed collagen has been found to be useful for culture of epithelial cells such as hepatocytes and keratinocytes, muscle cells and endothelial cells.

TCL127 is collagen peptide solution formulated to contain 1% collagen peptide in Dulbecco's Phosphate Buffered Saline.

## Storage and Shelf Life:

Store at 2-8°C in air tight container.

Shelf life is 12 months.

Use before expiry date given on product label.

## Quality Control:

### Appearance

Clear colorless to light yellow viscous solution.

### pH

6.50 - 7.50

### Osmolality in mOsm/Kg H<sub>2</sub>O

265.00 - 305.00

### Sterility

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

### Cell Culture Test

Passes

## Disclaimer :

Revision : 05/2025

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