



# Data Sheet

Research Use Only

## Product Name

OptiCol™ Human Collagen Type IV Non-sterile  
(powder) 5 mg

## Catalog Number

M24L

## Source

Human Placenta

## Storage

Prior to reconstitution: -20°C, after reconstitution: 2 to 10°C

## Description

OptiCol™ Human Collagen Type IV is isolated from human placenta and is purified using a multi-step process. The product is supplied as a non-sterile powder containing 5 mg of Type IV collagen per vial. It is a heterotrimeric molecule containing two  $\alpha$ 1-like and one  $\alpha$ 2-like chains.

## Adventitious Agents

The human source material has been tested and found negative for hepatitis B virus, hepatitis C virus, and for human immunodeficiency virus-1 and -2 (HIV-1 and HIV-2).

## SDS Page

Characteristic

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## Preparation Procedure

**Note: This product is not sterile and is not intended for applications requiring sterile materials.**

1. Reconstitute the 5 mg vial with 5 ml of cold 0.25% acetic acid and mix by pipetting up and down several times. Allow to sit at 2 to 8°C swirling periodically for > 1 hour.

**Note: The resulting solution will be slightly hazy. If there are some insoluble materials present and you wish to remove it, centrifuge the material.**

2. Dilute the product to desired concentration with sterile 0.25% acetic acid if required.