

Datasheet for 009-G70-MF0

Ultrapure Collagen I for plate coating - Human Placenta**Overview**

Description:	Ultrapure Collagen I for plate coating - Human Placenta - 009-G70-MF0
Item No.:	009-G70-MF0
Size:	8 mL
Applications:	Cellular Assay
Origin:	Human

Product Details

Background:	Human Collagen Type I is one of a family of proteins found particularly in the flesh and connective tissues of mammals (approximately one-third of the body's total protein). Over two dozen types of collagen have been described; Type I is the most abundant form in the body. Collagen Type I is found in scar tissue, tendons, the skin, arterial walls, the corneas, muscles, cartilage, and in the organic parts of bones and teeth. Human Collagen Type I is ideal for investigators involved in extracellular matrix proteins and osteoporosis.
Synonyms:	Type I collagen, collagen 1, Human collagen, Alpha 1 type I collagen, Alpha 2 type I collagen, COL1A1, COL1A2, Collagen alpha-1(I) chain, Collagen alpha-2 (I) chain, plate coating solution
Species of Origin:	Human

Target Details

Gene Name:	COL1A1
Purity/Specificity:	Ultrapure Human Collagen Type I Solution is purified from human placenta and shown to be 99% pure.
Relevant Links:	<ul style="list-style-type: none">Collagen_Top_Culture-Protocol

Application Details

Suggested Applications:	Cellular Assay (Based on references)
Application Note:	Ultrapure Human Collagen Type I solution has been tested in cell culture and is suitable for plate coating. Enough to coat 10 (ten) T75 plates.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by dry weight
Buffer:	0.013M HCl
Preservative:	None
Stabilizer:	None

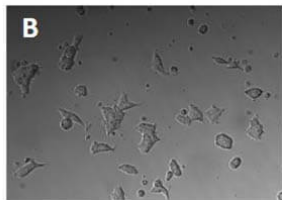
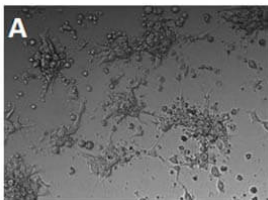
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vial at 4° C prior to opening. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is six (6) months from date of receipt.

Images



Plate

Ultrapure Collagen Type I from Human Placenta for plate coating. NCCIT cells grown under cell specific optimal conditions for 48hs using 009-G70-MF0 as top culture media (A) or no addition of collagen (B).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.