

**Datasheet for 001-G70-MF6****Collagen I for plate coating - Bovine Skin****Overview**

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|----------------------|----------------------------------------------------------|
| <b>Description:</b>  | Collagen I for plate coating - Bovine Skin - 001-G70-MF6 |
| <b>Item No.:</b>     | 001-G70-MF6                                              |
| <b>Size:</b>         | 8 mL                                                     |
| <b>Applications:</b> | SDS-PAGE                                                 |
| <b>Origin:</b>       | Bovine                                                   |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>        | Bovine 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. Bovine Collagen Type I is ideal for investigators involved in extracellular matrix proteins and osteoporosis. |
| <b>Synonyms:</b>          | Type I collagen, collagen 1, bovine 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                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species of Origin:</b> | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

**Target Details**

|                            |                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | COL1A1                                                                                                                        |
| <b>Purity/Specificity:</b> | Bovine Collagen Type I Solution is purified from bovine skin and shown to be 95% pure. May contain some of Collagen Type III. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li><a href="#">Collagen_Top_Culture-Protocol</a></li></ul>                                 |

**Application Details**

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|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tested Applications:</b> | SDS-PAGE                                                                                                                           |
| <b>Application Note:</b>    | Bovine Collagen Type I solution has been tested in SDS-page 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.

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## Formulation

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

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## Shipping & Handling

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                        |
| <b>Storage Condition:</b>  | 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. Keep under sterile conditions. |
| <b>Expiration:</b>         | Expiration date is six (6) months from date of receipt.                                                                                                        |

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## Disclaimer

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