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| DESCRIPTION | Purified type III bovine collagen. | |
| FORM | Lyophilized, salt-free, 10 mg / vial | |
| SOURCE | Bovine (calf) skin. Collagen was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. Collagen type III was purified by using differential salt precipitation. | |
| PURITY | Bovine collagen type III | 90% |
| | Other bovine collagen types | 10% |
| | Non-collagen proteins | below 0.5% |
| Purification | Partial pepsin digestion in acidic conditions and differential salt precipitation. | |
| Reconstitution | Use 0.5 M acetic acid, pH 2.5. Dissolved collagen retains immunologic properties of native collagen. Structure of native collagen confirmed by ability to form microfibrils. | |
| Storage | Collagen dissolved in acetic acid is stable at 4 °C for 1 month. Lyophilized collagen long term storage (2 years) at -20°C or lower. | |
| Application | Used for bovine collagen type III standard. Antigen for antibody production. Coating material for cell culture studies. Collagen microfibrils will activate platelets causing aggregation. May not be suitable for 3-D gel formation. | |

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