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Certificate of Analysis and Data Sheet

Native Rat Collagen I

Catalog No.
DS-01-0056

Species
Rat

Formulation

Preparation: Collagen was extracted from washed dissected tissue into dilute acetic acid after pepsin treatment. Collagen type I was purified by using differential salt precipitation.

Product Form: Purified protein from rat tail tendon - lyophilized

Reconstitution: Reconstitute in ice cold 0.5 M acetic acid, pH 2.5. Solubility - 10 mg/ml.

Buffer Solution: Essentially salt free

Preservatives Stabilizers: None present.

Purity

SDS PAGE: >90%

Rat collagen type III: 10%

Rat collagen, other types: <1%

Non-collagen proteins: <0.5%

Applications

Table. Summary of antigen applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA	.			

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.

Storage

Store at -20°C only. Storage in frost-free freezers is not recommended.

Do not freeze after reconstitution. Stable for 1-2 months at 4°C.

Shelf Life: 18 months from date of dispatch.

References

1. Miller, E. J. & Gay, S. (1982) Collagen: an overview. Methods Enzymol. 82: 3 - 32

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**