

CollOvine™

A NEW STANDARD FOR HIGH QUALITY COLLAGEN

CollOvine™ is a highly purified, fully traceable, TSE-free ovine collagen made from USDA certified flocks with endotoxin levels that approach levels below detection. Our proprietary manufacturing process ensures CollOvine™ retains full collagen functionality.

- Certified Disease Free Sheep
- 93-97% Type I
- 3-7% Type III
- 99% Purity
- Prion Free
- Powder and Liquid Formats
- General Cell Culture
- Organoid Development
- Hydrogel Development
- Tissue Scaffold Development
- 3D Printing

ASSAY DESCRIPTION	COLLOVINE-RD	BOVINE COLLAGEN A	BOVINE COLLAGEN B
	Specifications	Specifications	Specifications
Source	Ovine	Bovine	Bovine
Purity %	≥ 99 %	≥ 99 %	≥ 99 %
Appearance	Clear	Clear	Clear
Concentration	≥ 2.5 mg/mL	2.9 - 3.2 mg/mL	5.8 - 6.8 mg/mL
Solution	20 mM acetic acid	10 mM HCl	10 mM HCl
Collagen type	≥ 97 % Type I, < 3 % Type III	≥ 97 % Type I, < 3 % Type III	≥ 97 % Type I, < 3 % Type III
Hydroxyproline %	≥ 12 %	Not provided	Not provided
Solids %	≤ 1 %	Not provided	Not provided
Fat %	≤ 0.5 %	Not provided	Not provided
Ash %	≤ 0.2 %	Not provided	Not provided
pH	3.0 - 4.0	1.9 - 2.1	1.9 - 2.1
Viscosity @ 20 °C (cps, cP)	≥ 50 cP	Not provided	Not provided
Density (g/mL)	1.01 ± 0.02 g/mL	Not provided	Not provided
Sterility	No growth	No growth	No growth
Mycoplasma (PCR)	None detected	Not provided	Not provided
Solubility	Soluble, aqueous	Soluble, aqueous	Soluble, aqueous
Avg. Molecular Weight (kDa)	300 kDa	300 kDa	300 kDa
Identity (SDS-PAGE)	Typical	Typical	Typical
Trypsin Resistance (non-denatured)	Passes	Not provided	Not provided
Endotoxin units (EU/mL)	≤ 0.3 EU/mL	≤ 1 EU/mL	≤ 1 EU/mL
Elemental impurities (USP <232>)	Pass	Not provided	Not provided
Collagenase	Pass	Not provided	Not provided
DNA	≤ 0.5 µg/mL	Not provided	Not provided
Osmolality (mOsmo/Kg H2O)*	≤ 35	≤ 35	Not provided
Gel Formation Tube Test (minutes)	≤ 40	≤ 40	≤ 40
Kinetic Gel Test (minutes)	≤ 40	≤ 40	Not provided
Fibrillogenesis (abs units)	> 0.5	> 0.5	> 0.5
Cell Attachment	Pass	Not provided	Pass

* DATA PROVIDED BY CHARLES NOBLE, ZONEONE PHARMA



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WHEN IT COMES TO QUALITY, THERE IS NO COMPARISON

SAFE. CollOvine™ Collagen products from OviGenex are sourced entirely from veterinarian-controlled, traceable, USDA-Certified, disease-free sheep from Australia.

PURE. Proprietary OviGenex technology is employed to ensure our collagen products are processed to the highest level of purity with endotoxin levels that approach levels below detection. Manufactured under GMP & ISO manufacturing guidelines.

EFFECTIVE. OviGenex collagen retains the original collagen structure and functionalities, making it suitable for all research applications.



PRODUCT SOURCE

OviGenex collagen product lines are sourced from protease-treated ovine skin that has been chemically depilated. CollOvine-RD goes through proprietary purification process to ensure the highest level of purity and quality.

PRODUCT DESCRIPTION

CollOvine-RD is provided as a 3 mg/mL solution in 20 mM acetic acid.

QUALITY ASSURANCE

Every CollOvine-RD lot is subjected to stringent quality control assays that comply with ASTM F2212 standards.

COMPATIBILITY FOR MANUFACTURING

CollOvine-RD is supplied in sterile acidic solution, dry powder or lyophilized cake forms to ensure compatibility with all manufacturing processes.

Collagen content, purity and other parameters are certified for each lot.

RESEARCH APPLICATION

Research Grade CollOvine-RD is suitable for research applications including tissue culturing and 3D scaffolds.



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