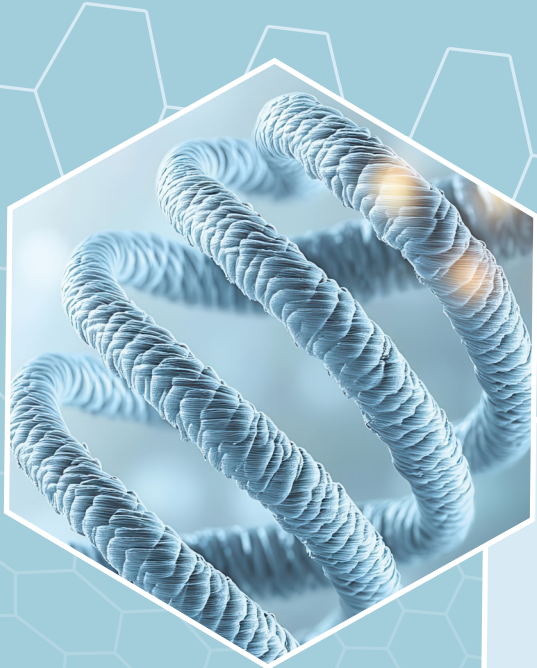


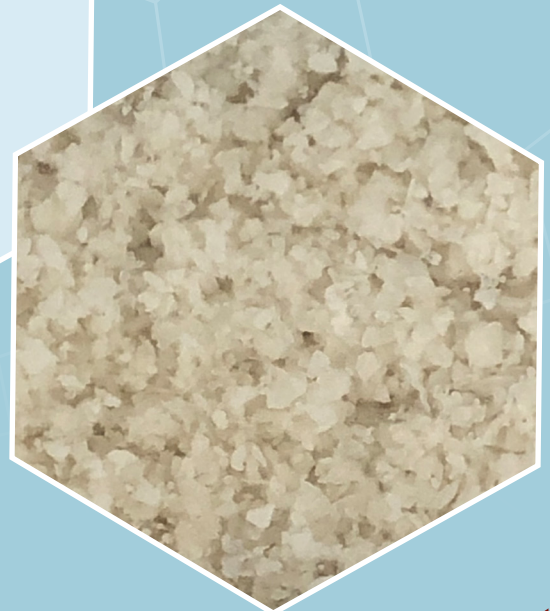
COLLAGEN TYPE I, NATIVE CELLPURE® Ultra Quality, bovine, acide soluble

Telocollagen – Soluble,
molecular collagen with intact
native triple helix and N- and
C-terminal telopeptides.



Properties:

- Native triple-helix-structure
- Intact telopeptides (telocollagen)
- Full biological activity
- High biocompatibility
- Endotoxin-free
- Very good solubility



Due to its gentle preparation using mild acid treatment at low temperatures, the collagen is present as native, molecular telocollagen. Its natural, intact structure ensures the full biological activity of the collagen, including integrin-mediated cell adhesion as well as the ability to self-assemble into fibrillar structures. Telocollagen is highly soluble, forms controlled fibrils with native D-periodicity, can be easily processed into hydrogels, sponges, or other scaffolds, and exhibits high mechanical stability after assembly.

It combines the advantages of tropocollagen (biological integrity, mechanical stability) with the practical benefits of atelocollagen (solubility, ease of processing), making it a particularly suitable form of collagen for tissue engineering applications.

Collagen type I, native

CELLPURE® Ultra Quality, bovine, acid soluble

Soluble, molecular collagen with intact native triple helix as well as N- and C-terminal telopeptides (telocollagen).

This is acid-soluble, native Collagen Type I (Acid Soluble Collagen, ASC) derived from bovine hides sourced from BSE-safe countries in accordance with ISO 22442. Due to the gentle manufacturing process, the collagen is present as native, molecular **telocollagen** with preserved triple helix structure and intact N- and C-terminal telopeptides. The natural, intact structure ensures full biological activity of the collagen, including integrin-mediated cell adhesion as well as the ability to self-assemble into fibrillar collagen supra-structures.

These biological properties make telocollagen an optimal biomaterial and an important foundation for tissue repair, regeneration, and biomedical research. Furthermore, it serves as a versatile building block for materials science.

Collagen Type I is provided as a flake-like substrate (> 50% collagen, < 50% water) and is characterized by good solubility in slightly acidic as well as aqueous solutions, enabling simple and reproducible handling. The controlled manufacturing process ensures particularly high purity, characterized by very low endotoxin and total microbial count (TMC) levels.

Soluble in 5 mM acetic acid solution or 10 mM hydrochloric acid solution at a collagen concentration of up to 2% (w/v).

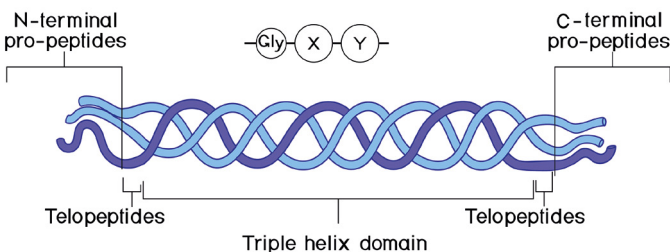
Storage temperature: +5 to +25 °C
Transport temperature: ambient temp.

WGK 1

Not a medical device / Not an IVD product

Art. No.	Pack Qty.	Pack.
23M7.1	1 g	plastic
23M7.2	10 g	plastic

The structure of procollagen



Application:

- 3D cell culture
- Surface coating
- In vitro fibrillogenesis
- Tissue engineering
- Manufacture of bioinks
- Regenerative medicine

Collagen type I, solution

Ready-to-use, sterile collagen solutions for the preparation of hydrogels for bioprinting, as well as for numerous other matrix-forming applications in cell culture and biomaterials research.

Storage temperature: +2 to +8 °C
Transport temperature: cooled

Not a medical device / Not an IVD product



CELLPURE® 0,1% (w/v) in HCl, bovine, sterile-filtered

Art. No.	Pack Qty.	Pack.
23M8.1	25 ml	plastic
23M8.2	100 ml	plastic

CELLPURE® 0,4% (w/v) in HCl, bovine, sterile-filtered

Art. No.	Pack Qty.	Pack.
23M9.1	25 ml	plastic
23M9.2	100 ml	plastic

CELLPURE® 0,5% (w/v) in HCl, bovine, sterile-filtered

Art. No.	Pack Qty.	Pack.
23MA.1	25 ml	plastic
23MA.2	100 ml	plastic

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