

DATASHEET

Name:	Collagen A1		
Product:	Calfskin collagen 0,1% Collagen Type I, acid solub.	Article-No.:	50106
Formulation:	0,1% Collagen solution, in 0,01M HCl	CAS-No.:	9007-34-5
Stability:	24 months from date of production	Storage:	2 - 10°C, DO NOT FREEZE

Parameter	Specification
Appearance	Clear, lightly viscous solution
Source	Bovine calf dermis, age of calves ≤ 6 months
Extraction method*	Acid solubilized (without enzymes, no pepsin treatment)
Collagen concentration (polarimetric)	0.9 – 1.5 mg/mL
pH	2.0 – 2.4
Buffer solution	0.010 – 0.012M HCl in water
Microbiology: sterility test according to Ph.Eur., Chapter 2.6.1	No Growth
Identity and purity by SDS-PAGE	α-, β- and γ- banding pattern of collagen polypeptides correspond to reference collagen sample
Fibrillogenesis at pH 7.5, +37°C	Positive
Handling	<ul style="list-style-type: none"> - Aseptic handling is recommended to avoid contamination - Collagen denatures under heat - Avoid direct sunlight or uv-light exposure - During fibrillogenesis at physiological pH 7 – 8 do not exceed temperatures +40°C - Collagen and other media components should be cooled in an ice-water bath before incubation

* Comparison of acid solubilized/pepsin solubilized Collagen: <http://www.matrixbioscience.com/index.php?id=192&L=1>

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