

beMatrix™ Gelatin

Characteristics

- Low Endotoxin
- Japanese Pharmacopiea "Purified Gelatin"
- Alkaline-Treated Porcine Skin Derived Gelatin

Uses

- Regenerative Medicine
- Medical Device / Biologics
- Research Use

Products

	Gel Strength	IEP*	Endotoxin level
beMatrix™ Gelatin LS-H	High	5	Not more than 10 EU/g
beMatrix™ Gelatin LS-W	Low	5	Not more than 10 EU/g

*IEP: Isoelectric point

Specification

- Please request a specification sheet through a sales representative or using our website
- USP-NF compliance also available
- MAF registration underway

Biocompatibility Test

Nitta Gelatin has confirmed negative results for each of the four following safety studies. Our method followed ISO10993.

- 1) Cytotoxicity
- 2) Sensitization
- 3) Intracutaneous reactivity
- 4) Pyrogenicity

References

- 1) Matsui, M. *et al.* Enhanced angiogenesis by multiple release of platelet-rich plasma contents and basic fibroblast growth factor from gelatin hydrogels. *Acta Biomaterialia* 2012; 8: 1792.
- 2) Inoue, M. *et al.* An antithrombogenic citric acid-crosslinked gelatin with endothelialization activity. *Advanced Healthcare Materials* 2012; 1: 573.
- 3) Inoue, M. *et al.* UV irradiation enhances the bonding strength between citric acid-crosslinked gelatin and stainless steel. *Colloids and Surfaces B: Biointerfaces* 2011; 88: 260.
- 4) Tara, S. *et al.* Novel approach to ischemic skin ulcer in systemic lupus erythematosus: Therapeutic angiogenesis by controlled-release basic fibroblast growth factor. *Geriatr Gerontol Int* 2011; 11: 527.
- 5) Nakagawa, T. *et al.* Topical insulin-like growth factor 1 treatment using gelatin hydrogels for glucocorticoidresistant sudden sensorineural hearing loss: a prospective clinical trial. *BMC Medicine* 2010; 8: 76.
- 6) Kawanaka, H. *et al.* Therapeutic angiogenesis by controlled-release fibroblast growth factor in a patient with churg-strauss syndrome complicated by an intractable ischemic leg ulcer. *Am J Med Sci* 2009; 338: 341.

For further information, please contact us through our website.



Nitta Gelatin NA Inc.

598 Airport Blvd Suite 900 Morrisville, NC 27560 USA
Phone: +1 (919) 238-3300 Fax: +1 (919) 238-3222
E-mail: info@nitta-gelatin.com
www.nitta-gelatin.com

Manufactured by:

Nitta Gelatin Inc.

2-22, Futamata, Yao, Osaka, 581-0024, JAPAN