



Low Endotoxin Gelatin

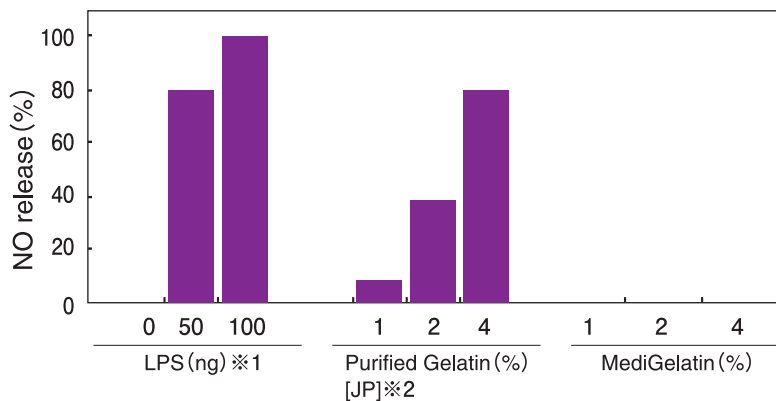


- From Porcine Skin
- Lyophilized
- Sterilized
- Low endotoxin levels ($\leq 10\text{EU/g}$)

- Has extremely reduced endotoxin content.
- Does not show activation for macrophages that strongly react to endotoxins.

USES

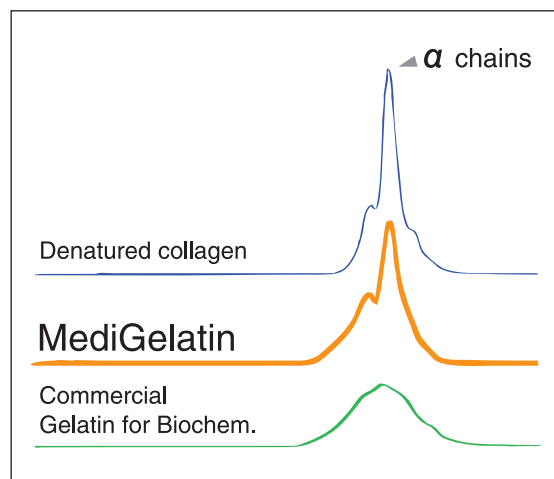
- Stabilizer for injections
- Drug delivery systems
- Tissue regenerative medicine etc...



Nitric Oxide release by murine macrophages activated with LPS or gels

※1 LPS:Lipopolysaccharide

※2 JP:The Japanese Pharmacopoeia



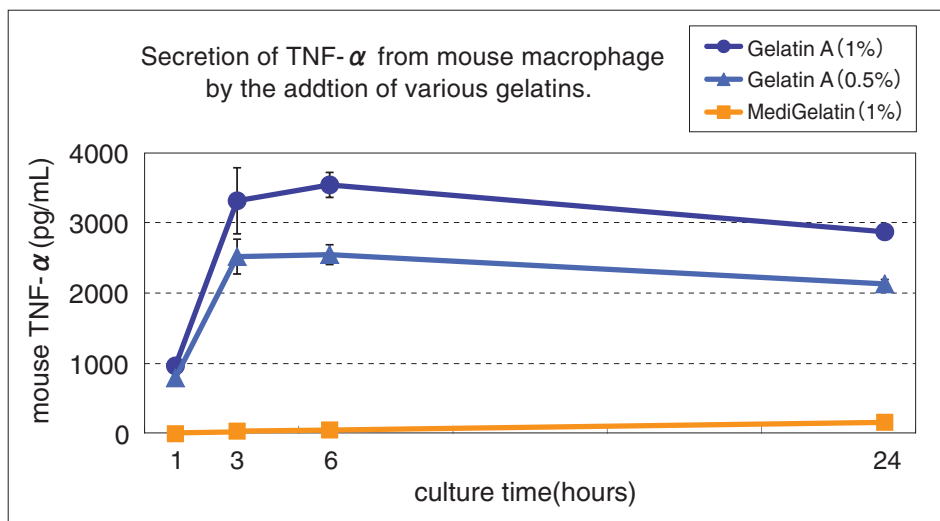
Molecular Weight Distribution of Gels

Product name	Type	Product description	Viscosity	Gel Formation
MediGelatin	HMG-BP	High Gel Strength (over 250 g)	High	○
Nippi High-grade Gelatin	AP	Low-molecular Weight (about 8,000 Da)	Low	×



Low Endotoxin Gelatin

Biological tests using mouse macrophages.



Methods:

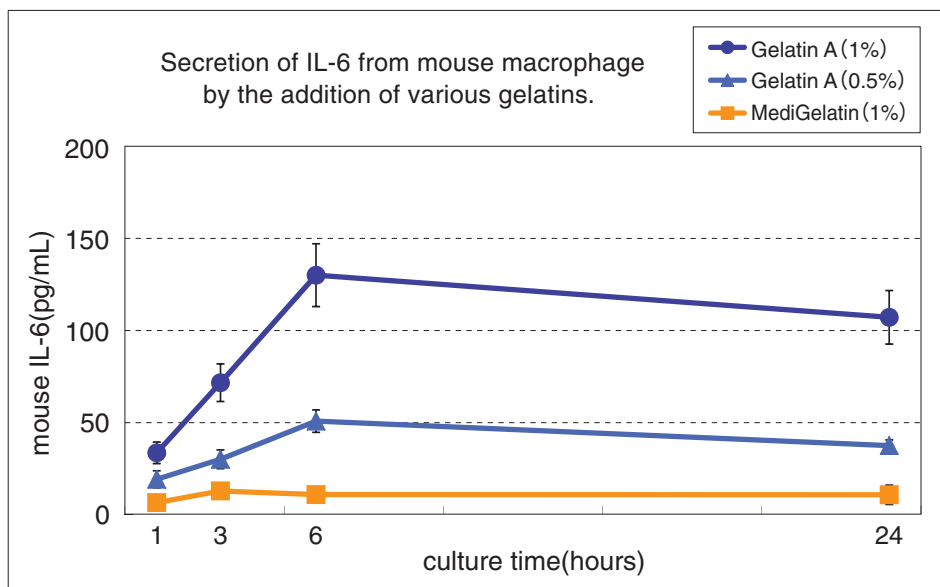
Cell line: RAW264.7*

*macrophage-like cells

Medium: DMEM

+10% FBS

Gelatin was added after 1-day pre-culturing.



Results:

Mouse macrophages did not secrete inflammatory cytokines such as TNF- α and IL-6 after the addition of 1% MediGelatin.

Therefore, MediGelatin does not activate macrophages.

Product Code	Product name	Type	Net weight
892 301	MediGelatin	HMG-BP	1g
892 302			5g
892 305	Nippi	AP	1g
892 306	High-grade Gelatin		10g

Manufactured by

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