

Biocompatibility Validation Summary

MariXBioHeal™ Native Marine Type I Collagen

Overview

MariXBioHeal™ is a marine-derived native Type I collagen, developed by Rozhan Vista Mehr Co. for advanced biomedical applications including wound healing, regenerative medicine, and tissue engineering. To ensure patient safety and compliance with international standards, the product underwent a comprehensive set of ISO 10993 biocompatibility evaluations at accredited laboratories.

Key Test Results

Test	Laboratory	Model / Method	Result	Outcome
Cytotoxicity (ISO 10993-5)	Iran Polymer & Petrochemical Institute	L929 Fibroblasts (MTT)	95.51% viability, Grade 0	Non-cytotoxic
Skin Sensitization (ISO 10993-10)	NIGEB	Guinea pigs (GPMT)	Scores 0.0 for erythema/edema	Non-sensitizing
Skin Irritation (ISO 10993-10)	NIGEB	Albino rabbits	PII = 0.0	Non-irritating

Conclusion

All three ISO-standard tests confirm that MariXBioHeal™ Native Marine Type I Collagen is:

- Non-cytotoxic
- Non-sensitizing
- Non-irritating

These results demonstrate the excellent biocompatibility and safety profile of MariXBioHeal™, validating its suitability for clinical research, wound care, and tissue engineering applications.

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