

CERTIFICATE OF ANALYSIS

Product name: Recombinant Insulin-Like Growth Factor 1 (IGF-1)	Catalogue No.: RDRCP31
Physical form: Lyophilized	Storage Conditions: -20°C
Batch No.: DIGF1P02/24(ER)	COA No.: COA/24-25/016
AR No.: FPQC/24-25/015	Expiry Date: Jan 2026
Mfg. Date: Feb 2025	

Test	Specifications	Results
Total protein ¹	Check and record	0.14 mg/mL
Purity ²	≥ 95%	Complies
Western blot ³	Positive	Complies
Bioburden	Negative	Complies
Endotoxin levels ⁴	≤1 EU/μg	Complies
Bioactivity (ED ₅₀) ⁵	<2 ng/mL	1.62 ng/mL

The product, Recombinant Insulin-Like Growth Factor 1, Lyophilized, Batch no. DIGF1P02/24(ER) has been tested. All the test parameters comply with the acceptance criteria.

Date of Release: 20/02/2025



Quality Control Department

Date: 20/02/2025

Note:

- For research or further manufacturing only. Not intended for direct administration into humans or animals.
- Manufactured in a cGMP-compliant facility under the ISO 13485:2016 standards.

¹ Protein estimation carried out by Bradford method.

² Purity determined by SDS-PAGE analysis carried out under reducing and non-reducing conditions and visualized by Coomassie Blue staining.

³ Western Blotting carried out by using an anti-IGF-1 antibody.

⁴ Endotoxin levels determined by Limulus Amebocyte Lysate (LAL) assay

⁵ Determined by its ability to stimulate proliferation of NIH-3T3 cells. The expected ED₅₀ for this effect is <2 ng/mL.



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Page 1 of 1