

Certificate of Analysis

LONG[®]R³IGF-I Freeze-Dried Product (FD)

(LONG is a trademark of Repligen Corp).

Repligen Sweden AB product name: LONG[®]R³IGF-I Freeze-dried Product (FD)

Article number: 10-1010-50

Batch number:

Date of filling (MMM YYYY):

Re-test date (MMM YYYY):

Storage conditions: 2 – 8 °C

Packaging: Glass-vials type 1, 50 mL, butyl stoppers

Quantity: 50 mg/vial

The product is manufactured in accordance with the manufacturing formula for LONG[®]R³IGF-I (MF-0350) and Repligen Sweden AB Quality Policy (POL-0361).
 Site of Manufacturing: Repligen Sweden AB, Box 965, SE-220 09 Lund, Sweden

Dried from 0.1 M acetic acid: under dry N₂ at slight vacuum.

Category	Test Method	Limit	Result
Appearance	Visual inspection	White/creamy crystalline deposit	
Identity (A)	Mass Spectrometry - Molecular weight	9108 – 9112 Da	
Identity (B)	RP-HPLC	Conforms to reference standard by retention time and chromatographic profile	
Biological activity	Stimulation of protein synthesis in the rat L6 myoblast cell line	ED ₅₀ < 10 ng/mL	
Bacterial endotoxins	LAL assay	< 0.10 EU/μg	
Purity	SDS-PAGE	≥ 95% single band between 6000 and 14400 Da	

This batch fulfills the specification.

Place and date

Name
QC
Repligen Sweden AB

Place and date

Name
QA
Repligen Sweden AB