

Certificate of Analysis

Quantity:

LONG®R³IGF-I, Liquid Product (LP)

Repligen Sweden AB product name:	LONG®R ³ IGF-I Liquid Product (LP)
Article number:	10-1011-125R
Batch number:	
Date of filling (MMM YYYY):	
Re-test date (MMM YYYY):	
Storage conditions:	2 – 8°C
Packaging:	Nalgene PET-bottles, 125 mL

This product is manufactured in accordance with the manufacturing formula for LONG®R³IGF-I (MF-00350) and Repligen Sweden AB Quality Policy (POL-00361). Site of Manufacturing: Repligen Sweden AB, Box 965, SE-220 09 Lund, Sweden.

100 mL

Aqueous solution of LONG®R³IGF-I and 0.1M acetic acid.



Category	Test Method	Limit	Result
Appearance	Visual inspection	Clear Liquid	
Identity (A)	Mass Spectrometry- Molecular weight	9108 – 9112 Da	
Identity (B)	RP-HPLC	Microheterogeneous mixture of LONG®R³IGF-I, typically 4 peaks with the major peak > 60% of total peak area	
Biological Activity	PathHunter Bioassay Detection Kit	Relative Potency 60-140%	
Bacterial Endotoxins	LAL assay	< 0.10 EU/µg of protein	
Purity	SDS-PAGE	A single band \geq 95% with the same electrophoretic mobility as the LONG®R³IGF-I reference standard No additional individual band > 5%. Total of additional individual bands \leq 5%.	
Concentration	RP-HPLC	0.9 – 1.1 mg/mL	
Bioburden	Bioburden Analysis	Total viable aerobic count ≤ 100 cfu/mL Enterobacteriaceae and gram negatives absent in 1 mL Pseudomonas aeruginosa, absent in 1 mL Staphylococcus aureus, absent in 1 mL	

This batch fulfills the spec	eification	
Place and date	Name QC Repligen Sweden AB	
Place and date	Name QA Repligen Sweden AB	