

Certificate of Analysis

Description: Recombinant Interferon-gamma (Human)

Expiry Date: 02-20-2017

Size: 20 µg/vial

Cat #: HEIFP-02011

Lot #: K10606031

Test Parameters	Specification	Result
Purity ¹	Sample must exhibit >98% purity.	98.08%
Biological Activity ²	The ED ₅₀ must be less than 0.05 ng/mL, corresponding to a specific activity of >2.0 x 10 ⁷ IU/mg.	2.31 x 10 ⁷ IU/mg
Molecular Weight ³	Sample must have a molecular weight of 16.9± 1.7 kDa.	Pass
Endotoxin ⁴	Results must show ≤ 1.0 EU/µg.	≤ 0.04 EU/µg
Physical Appearance	Sample must have a white, lyophilized powder appearance.	Pass

Notes:

1. The sample is assayed for purity by SDS-PAGE and HPLC analyses.
2. The ED₅₀ is determined by a cell proliferation assay using HE-29 cells.
3. The sample is tested for molecular weight using SDS-PAGE.
4. The sample is tested for endotoxin contamination with LAL test.



Jane Chen
QA Manager
Feb 3, 2015