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## Product Specification

Product Name:

Interleukin-4 from rat - recombinant, expressed in E. coli, lyophilized powder, suitable for cell culture,  $\geq 97\%$  (SDS-PAGE)Product Number: **I3650**

Storage Temperature: -20 °C

TEST	Specification
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Purity by SDS-PAGE

 $\geq 97\%$ 

Bioactivity

0.1 - 3.0 ng/ml

The typical value for its ability to stimulate the proliferation of rat splenocytes is 0.7-1.5 ng/ml. Results outside this range are acceptable based on concurrent, side by side comparisons with a previously passed lot as control.

Endotoxin Assay

Conforms

&lt; 1.0 EU/ug

Formulation

Conforms

Lyophilized from a 0.2  $\mu\text{m}$  filtered solution in phosphate buffered saline containing 0.25 mg bovine serum albumin

Specification: PRD.0.ZQ5.10000048064

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.