

## Product Specification

Product Name:

Tumor Necrosis Factor- $\alpha$  from rat - TNF- $\alpha$ , recombinant, expressed in E. coli, powder, suitable for cell culture

Product Number: T5944

Storage Temperature: -20 °C

TEST	Specification
------	---------------

Appearance (Form)	Lyophilized Powder
Appearance (Colour)	White
Solubility (Solvent)	Water
Solubility (Volume Injected)	0.100 ml or 0.500 ml
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless
Protein Content (Method)	Bradford
Vial Content (Size)	$\geq 10.00$
Vial Content (Unit Of Measure)	$\mu\text{g Protein}$
Vial Content (Actual Content)	$\geq 10.00$
Gel Electroph. (Gel)	SDS-Page
Gel Electroph. (Sample Treat.)	Reducing Conditions
Gel Electroph. (Stain)	Coomassie
Gel Elec. (Maj. Band at kDa)	17 - 17 kDa
Gel Electroph. (Purity)	$\geq 98.0 \%$
Suitability (Test)	Cytotoxicity
Suitability (Cells Type)	L-929
Suitability (EC50)	$\leq 0.050 \text{ ng/ml}$
Endotoxin Level	$\leq 1.000 \text{ EU/ug}$
Recommended Retest Period	-----
3 Years	

Specification: PRE.1.ZQ5.10000001161

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.

