



# Rat IFN- $\gamma$

100  $\mu$ g

130-094-089

## Description:

Interferon- $\gamma$  (IFN- $\gamma$ ) is a lymphoid factor which possesses potent anti-viral activity. It has also been shown to stimulate macrophages and NK cells. Rat IFN- $\gamma$  is a 15.6 kDa protein containing 135 amino acid residues.

<b>Source:</b>	<i>E. coli</i>
<b>Molecular mass:</b>	15.6 kDa
<b>Specific activity:</b>	$\geq 1 \times 10^7$ U/mg
<b>Purity:</b>	>97% (SDS-PAGE, HPLC)
<b>Endotoxin level:</b>	<0.1 ng/ $\mu$ g (1 EU/ $\mu$ g)
<b>Buffer:</b>	PBS (pH 7.4)
<b>Stabilizer:</b>	None
<b>Product format:</b>	Sterile filtered, lyophilized

## Biological activity:

The ED<sub>50</sub> as determined by a cytopathic effect inhibition assay with mouse L929 cells challenged with EMC virus was  $\leq 0.1$  ng/mL, corresponding to a specific activity of  $\geq 1 \times 10^7$  U/mg.

## Reconstitution:

We recommend a quick spin followed by reconstitution in deionized sterile-filtered water not less than 100  $\mu$ g/mL. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 1 week or -20 °C for future use. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

## Storage:

The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20 °C. Reconstituted Rat IFN- $\gamma$  should be stored in working aliquots at -20 °C. Avoid repeated freeze-thaw cycles.

All protocols and data sheets are available at [www.miltenyibiotec.com](http://www.miltenyibiotec.com).

## Warranty

The products sold hereunder are warranted only to be free from defects in workmanship and material at the time of delivery to the customer. Miltenyi Biotec GmbH makes no warranty or representation, either expressed or implied, with respect to the fitness of a product for a particular purpose. There are no warranties, expressed or implied, which extend beyond the technical specifications of the products. Miltenyi Biotec GmbH's liability is limited to either replacement of the products or refund of the purchase price. Miltenyi Biotec GmbH is not liable for any property damage, personal injury or economic loss caused by the product.

Unless otherwise specifically indicated, Miltenyi Biotec products and services are for research use only and not for therapeutic or diagnostic use.

MACS is a registered trademark of Miltenyi Biotec GmbH.

Copyright © 2008 Miltenyi Biotec GmbH. All rights reserved.