

## CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

<b>Product name</b>	IFN-gamma, Human, Recombinant (E.coli-derived)		
<b>Catalog number</b>	HC2030-01		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	Reconstitute with 1 ml distilled/de-ionized water	<b>Activity</b>	N.A.
<b>Formulation</b>	Lyophilized product in PBS, 125 mM trehallose+0.1% human serum albumin	<b>Amount</b>	1.0 x 10 <sup>5</sup> Units
<b>Host Species</b>	Human, E.coli-derived	<b>Concentration</b>	N.A.
<b>Endotoxin level</b>	N.A.	<b>Purification</b>	N.A.
<b>Storage</b>	4°C	<b>Purity</b>	N.A.

### Application notes

For dilutions use protein stabilized phosphate buffered saline, pH 7. (Do not use fresh serum).

### General Information

<b>Description</b>	Human interferons are grouped into three major classes: interferon-alpha (IFN-alpha), interferon-beta (IFN-beta), and interferon-gamma (IFN-gamma). An extensive variety of biological effects have been observed for the interferon family including antiviral activity, anti-proliferative activity; stimulation of cytotoxic activities in lymphocytes, natural killer cells and macrophages, and modulation of the major histocompatibility complex. IFN-gamma is produced by only two cell types, T-cells and large granular lymphocytes. IFN-gamma probably exists in its native form as a dimer of the two active species of 20 and 25 kD respectively. Recombinant human IFN-gamma is purified from E.coli transfected with the human interferon gamma gene. One unit of Hycult Biotech Human Gamma Interferon approximates the bioactivity contained in one unit of the human gamma interferon standard prepared by NIH (Gg23-901-530).
<b>Storage&amp;stability</b>	Lyophilized product should be stored at 4°C. Store stock solution after reconstitution in aliquots at -70°C. Repeated freeze and thaw cycles and prolonged exposure to light will cause loss of activity. Under recommended storage conditions, product is stable for at least one year.
<b>Precautions</b>	Caution: vial is under vacuum. For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Robbert Zwinkels

Date  
23/03/2018

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).