U-CyTech BV
Yalelaan 48
3584 CM Utrecht
The Netherlands
P +31.30.253 5960
F +31.30.253 9344
INFO@ucytech.com
www.ucytech.com

Data sheet Recombinant rat interferon beta (IFN-ß)

Cat. No.: CT042

Production:	By Chinese hamster ovary (CHO) cells transformed with the chromosomal gene encoding rat IFN-ß. The interferon is differentially glycosylated.
Purification:	Dye-affinity and gel-exclusion chromatography.
Purity:	> 90% pure
Endotoxin:	< 1 EU/vial
Packaging:	Lyophilized and vacuum-packed.
Contents:	15 µg/vial (10^6 units/vial) (the exact amount is indicated on the vial)
Buffer:	Prior to lyophilization: 0.5 ml PBS + 125 mM trehalose.
Specificity:	Shows 10% bioactivity on human (HEp-2) and 20% on mouse (L-929) cells as compared to the homologous combination.
Specific activity:	≥ $6x10^7$ units/mg protein.
Unit:	One unit is defined as the amount of interferon that inhibits 50% of the cytopathic effect of Vesicular stomatitis virus in monolayer cultures of Ratec cells grown in the wells of a 96-well microtiter plate. The unit is subsequently corrected by reference to a laboratory standard preparation.
Sterility:	Membrane filtered (0.2 µm).
Reconstitution:	Dissolve the contents of the vial by injection of 0.5 ml sterile distilled water.
Stability:	Lyophilized product is stable for at least one year at -20°C. After reconstitution, the contents can be best divided into small aliquots for single use and stored at -80°C. After thawing, the cytokine is stable for at least three weeks at 4°C.
Quantitation:	Protein concentration was deduced from the biological activity in an antiviral bioassay.

References:

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