

# Appendix

5

Abbreviations



**Abbreviations**

A <sub>280</sub>	absorbance at 280 nm
Abs	antibodies
ABTS	2,2'-azinobis-(3-ethylbenzothiazoline-6-sulfonic acid)
ANOVA	analysis of variance
APC	antigen presenting cells
AUC	area under the curve
BAb	binding antibody
BSA	bovine serum albumin
CD	circular dichroism
CHO-cells	Chinese hamster ovarian carcinoma cells
CHO-rhIFN $\beta$	recombinant human interferon beta expressed in CHO-cells
CMC	critical micelle concentration
CpG	cytosin-guanosin dinucleotides
DLS	dynamic light scattering
DTT	dithiothreitol
E. coli	Escherichia coli
E. coli-rhIFN $\beta$	recombinant human interferon beta expressed in E. coli
EDTA	ethylenediaminetetraacetic acid
ELISA	enzyme-linked immunosorbent assay
EMA	European Medicines Agency
EP	European Pharmacopeia
Epoetin	recombinant human erythropoietin
ESI-ToF	electrospray ionization time of flight
G-CSF	granulocyte colony stimulating factor
GM-CSF	granulocyte macrophage colony stimulating factor
GnHCl	guanidine hydrochloride
GPC	gel permeation chromatography
HBS-EP	HEPES buffered saline containing EDTA and polysorbate 20
HEPES	4-(2-hydroxyethyl)-1-piperazineethanesulfonic acid
hGH	human growth hormone
hIFN $\alpha$ 2	human interferon alpha2
hIFN $\beta$	human interferon beta
HSA	human serum albumin
Humatrope	natural sequence recombinant human growth hormone
Ig	immunoglobulin
IgG	immunoglobulin G

IgM	immunoglobulin M
IL-2	interleukin 2
i.m.	intramuscular
i.p.	intraperitoneal
i.v.	intravenous
IFN $\beta$	interferon beta
LPS	lipopolysaccharide
MALDI-ToF-ToF	matrix-assisted laser desorption ionization time of flight time of flight
met-rhGH	recombinant human growth hormone with an extra methionine
MHC	major histocompatibility complex
MS	mass spectrometry
MSA	murine serum albumin
NAb	neutralizing antibody
NATA	n-acetyl-L-tryptophanamide
OD	optical density
PAGE	polyacrylamide gel electrophoresis
PB	sodium phosphate buffer
PBS	phosphate buffered saline
PCR	polymerase chain reaction
PDI	polydispersity index
PEG	polyethylene glycol
pit-hGH	human growth hormone purified out of human pituitaries
polyIC	polyinosinic:polycytidylic acid
polyICLC	polyIC complexed with poly-L-lysine and carboxymethylcellulose
PRCA	pure red cell aplasia
rhGM-CSF	recombinant human granulocyte macrophage colony stimulating factor
rhIFN $\alpha$ 2	recombinant human interferon alpha2
rhIFN $\beta$	recombinant human interferon beta
rhtPA	recombinant human-tissue plasminogen activator
RIA	radioimmunoassay
rmIFN $\alpha$ 2	recombinant murine interferon alpha2
RP-HPLC	reversed phase high pressure liquid chromatography
RRMS	relapsing-remitting multiple sclerosis
RU	response units
s.c.	subcutaneous

SDS	sodium dodecyl sulfate
SEM	standard error of the mean
SPR	surface plasmon resonance
TFA	trifluoroacetic acid
UV	ultraviolet
VLP	viral-like particles