



**Data Sheet: CellGro® / CellGenix™**  
**Recombinant Human Interleukin 7 (IL-7)**  
**research grade - Order No.: 1410**

Source	A DNA sequence encoding the mature IL-7 protein was expressed in <i>E. coli</i>
Raw Material Statement	n.a.
Molecular Mass	The methionyl form of the <i>E. coli</i> expressed mature human IL-7 contains 159 amino acid residues (including a C-terminal His6-tag) and has a molecular mass of 18 kDa
Purity	≥ 95%, as determined by SDS-PAGE
Endotoxin Level	< 0.1 ng per 1 µg (< 1000 EU/mg), as determined by LAL gel clot test
Activity	Measured in a cell proliferation assay using an IL-7-dependent cell line, IxN/2b  ED50 is typically 0.5 – 2 ng/ml (Activity: >5x10 <sup>7</sup> IU/mg) calibrated with the 1 <sup>st</sup> International Standard NIBSC, # 90/530
Sterility	Sterility test of the vial product (direct inoculation)
Formulation	Lyophilized from a protein solution in PBS + 0.1% Tween 20 (PBS-T)
Amount per Vial	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm using PBS-T as reference
Transport	Ambient temperature
Storage at	-20°C to -80°C. Avoid repeated freeze-thaw cycles
Shelf life	2 years from date of production
Intended Use	<b>For research use only.</b> <b>Not intended for diagnostic or therapeutic use.</b>

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