



**Data Sheet: CellGro® / CellGenix™
Recombinant Human
basic Fibroblast Growth Factor (bFGF)
research grade - Order No.: 1408**

Source	A DNA sequence encoding the mature bFGF protein was expressed in <i>E. coli</i>
Raw Material Statement	n.a.
Production	Produced in a GMP environment
Molecular Mass	The methionyl form of the <i>E. coli</i> expressed mature human bFGF contains 161 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 a bovine factor-dependant cell line, FBHE. ED50 is typically 0.25 – 2.5 ng/ml (Activity: >0.4x10 ⁶ IU/mg) calibrated with the 1 st International Standard NIBSC, # 90/712
Sterility	Sterility test of the vialled product (direct inoculation)
Formulation	Lyophilized from a 0.2 µm -filtered solution in 3xPBS with 30 mM K ₂ HPO ₄ , 450 mM NaCl, 2 mM Gluthatione (red.), 0.1% Tween-20
Amount per Vial	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm using formulation buffer 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	For research use only. Not intended for diagnostic or therapeutic use.

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