

Data Sheet: CellGro[®] / CellGenix[™]**Recombinant Human Platelet Derived Growth Factor-BB
(rh PDGF-BB)****Preclinical Grade - Order No.: 1409-010 / 1409-050**

Source	A DNA sequence encoding the mature PDGF-B protein was expressed in <i>E. coli</i>
Production	Terminal manufacturing steps and QC are performed in a GMP facility
Molecular mass	The methionyl form of the <i>E. coli</i> expressed mature human PDGF-B contains 110 amino acid residues and has a molecular mass of 12 kDa (monomer)
Structure	Disulfide linked homodimer (PDGF-BB)
Purity	≥ 95%, as determined by SDS-PAGE and HPLC
Endotoxin level	< 1000 EU/mg, as determined by LAL gel clot test
Activity	≥ 0.4 x 10 ⁶ IU/mg calibrated with the 1 st International Standard NIBSC, # 94/728 Measured in a cell proliferation assay using a PDGF-BB-dependent cell line, Balb/3T3
Sterility	Sterility test of the vial product (direct inoculation)
Formulation	Lyophilized from a protein solution in PBS without any carrier materials and preservatives
Amount per vial	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm using PBS as reference
Transport	Ambient temperature
Storage at	-20°C or below. Avoid repeated freeze-thaw cycles
Shelf life	Minimum 6 months from date of shipment
Intended use	For preclinical ex vivo use. Not intended for therapeutic use.

Manufacturer

CellGenix GmbH
Am Flughafen 16 | 79108 Freiburg | Germany
Tel.: +49 761 88889-0 | Fax: +49 761 88889-830
www.cellgenix.com | info@cellgenix.com

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