

Certificate of Analysis

DESCRIPTION

Product:	Microsphere-encapsulated recombinant human GDNF protein
Size:	1 mL
Date of Manufacture:	11/21/2017
Expiration Date:	5/21/2018
GDNF-Molecular Mass:	11.6 kDA (monomer)
GDNF-Primary Structure:	Disulfide-linked homodimer

PREPARATION AND STORAGE


Reconstitution:	Packaged as solution in DMEM/F12.
Use:	10 µL/mL StemBeads® GDNF = 10 ng/mL slow release GDNF.
Shipping & Storage:	This product is shipped at 4°C. Upon receipt, store it immediately at 2-8°C under sterile conditions.
Stability :	Stable for 6 months if stored at the recommended temperature above.

SPECIFICATIONS

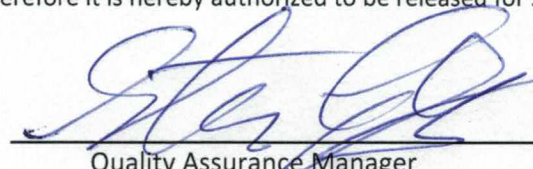
Sterility:	No growth of bacteria or fungi observed using direct immersion method in liquid culture	Result:	PASS
GDNF Protein Release Profile:	10 ng/mL ± 2 ng stable release of sol. GDNF at StemBeads® GDNF Conc. of 10 µL/mL	Result:	PASS
Average Size (diameter):	12 µm ± 8 µm (Quantification performed using ImageJ software from NIH)	Result:	PASS

This product is manufactured and controlled in accordance with all StemCultures Quality Control criteria.

This products meets all StemCultures Quality Control criteria. Therefore it is hereby authorized to be released for sale.

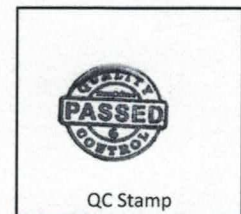

COO
02-21-18

 Manufacturer Date


02/21/18

 Quality Assurance Manager Date

Ensure the presence of Quality Control stamp; this certifies that the highest level of quality and metrics were used during StemCultures manufacturing procedures



FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.