

Certificate of Analysis

DESCRIPTION

Product:	Microsphere-encapsulated recombinant human Activin A protein
Size:	1 mL or 5 mL
Date of Manufacture:	11/02/2016
Expiration Date:	05/02/2017
ActA-Molecular Mass:	13 kDA (monomer)
Act A-Primary Structure:	Disulfide-linked homodimer with Gly311 N-Terminal (426 amino acid residues)

PREPARATION AND STORAGE

Reconstitution	Packaged as solution in DMEM/F12.
Use	10 µL/mL Stembeads® ActivinA = 10 ng/mL slow release Activin A
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
FGF2 Protein Release Profile:	10 ng/mL ± 2 ng stable release of sol. Activin A at Stembeads® ActivinA Conc. of 10 uL/mL	Result: PASS
Average Size (diameter):	45 µm ± 25 µm (Quantification performed using ImageJ software from NIH)	Result: PASS

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

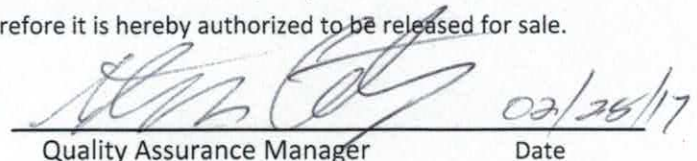
This product meets all StemCulture Quality Control criteria. Therefore it is hereby authorized to be released for sale.



Manufacturer

2/28/17

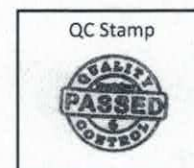
Date



Quality Assurance Manager

 02/28/17
 Date

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



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