

Certificate of Analysis

DESCRIPTION

Product:	Microsphere-encapsulated recombinant human Activin A protein
Size:	1 mL or 5 mL
Date of Manufacture:	6/1/2017
Expiration Date:	12/1/2017
ACT A-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® Activin A = 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
ACT A Protein Release Profile:	10 ng/mL ± 2 ng stable release of sol. Activin A at StemBeads® ActivinA Conc. of 10 µL/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 StemCultures Quality Control criteria.

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



 Manufacturer

7/18/17

 Date

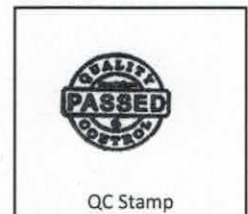


 Quality Assurance Manager

07/18/17

 Date

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



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