

## Certificate of Analysis

### DESCRIPTION

<b>Product:</b>	Microsphere-encapsulated recombinant epidermal growth factor
<b>Size:</b>	3 mL
<b>Date of Manufacture:</b>	7/14/2016
<b>Expiration Date:</b>	<b>2/3/2017</b>
<b>EGF-Molecular Mass:</b>	6 kDA
<b>EGF-Primary Structure:</b>	Asn971-Arg1023 with Met N-Terminal (1207 amino acid residues)

### PREPARATION AND STORAGE

<b>Reconstitution</b>	Packaged as solution in DMEM/F12.
<b>Use</b>	20 µL/mL Stembeads® EGF = 10 ng/mL slow release EGF
<b>Shipping &amp; Storage</b>	This product is shipped at 4°C. Upon receipt store it immediately at 2-8°C under sterile conditions
<b>Stability</b>	Stable for 6 months if stored at the recommended temperature above.

### SPECIFICATIONS

<b>Sterility:</b>	No growth of bacteria or fungi observed using direct immersion method in liquid culture	<b>Result:</b>	<b>PASS</b>
<b>EGF Protein Release Profile:</b>	10 ng/mL ± 2 ng stable release of sol. EGF at Stembeads® EGF Conc. of 20 uL/mL	<b>Result:</b>	<b>PASS</b>
<b>Average Size (diameter):</b>	50 µm ± 35 µm (Quantification performed using ImageJ software from NIH)	<b>Result:</b>	<b>PASS</b>

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

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



Manufacturer

8/4/16

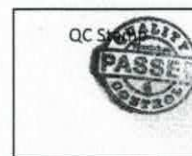
Date



Quality Assurance Manager

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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