

## Certificate of Analysis

### DESCRIPTION

<b>Product:</b>	Microsphere-encapsulated recombinant human fibroblast growth factor 2
<b>Size:</b>	1 mL or 3 mL
<b>Date of Manufacture:</b>	1/21/2019
<b>Expiration Date:</b>	<b>1/21/2020</b>
<b>FGF2-Molecular Mass:</b>	17.2 kDA
<b>FGF2-Primary Structure:</b>	Single non-glycosylated polypeptide chain without N-terminal methionin (154 amino acid residues)

### PREPARATION AND STORAGE

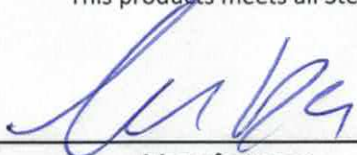
<b>Reconstitution:</b>	Packaged as solution in DMEM/F12.
<b>Use:</b>	8 $\mu$ L/mL StemBeads <sup>®</sup> FGF2 = 10 ng/mL slow release FGF2.
<b>Shipping &amp; Storage:</b>	This product is shipped at 4°C. Upon receipt, store it immediately at 2-8°C under sterile conditions.
<b>Stability :</b>	Stable for 1 year 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	Result:	<b>PASS</b>
<b>FGF2 Protein Release Profile:</b>	10 ng/mL $\pm$ 2 ng stable release of sol. FGF2 at StemBeads <sup>®</sup> FGF2 Conc. of 8 $\mu$ L/mL	Result:	<b>PASS</b>
<b>Average Size (diameter):</b>	15 $\mu$ m $\pm$ 2 $\mu$ m (Quantification performed using ImageJ software from NIH)	Result:	<b>PASS</b>

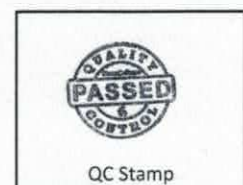
This product is manufactured and controlled in accordance with all StemCultures Quality Control criteria.

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

  
 \_\_\_\_\_  
 Manufacturer 3/8/19  
Date

  
 \_\_\_\_\_  
 Quality Assurance Manager 03/08/19  
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.