

### PRODUCT DESCRIPTION

StemBeads® Blank15 is a microparticle containing all typical components of our StemBeads products except the protein. StemBeads® Blank15 are microparticles composed of a FDA approved, biodegradable polymer. Under the microscope, the StemBeads® Blank15 will appear as dark circles that do not harm the cells, and with time will break down. StemBeads® Blank15 are the ideal vehicle control when experimenting with StemBeads® FGF2.

### ORDERING INFORMATION

CATALOG #	PRODUCT NAME	SIZE	RELEASE
SB001	StemBeads® Blank15	3 mL	Not Applicable

REORDER NOW



### PRODUCT HANDLING/DIRECTIONS FOR USE

#### Reconstitution & Use:

StemBeads® Blank15 are provided as a ready-to-use 3 mL solution in DMEM/F12.

#### Storage & Stability:

Upon arrival store at 4°C. StemBeads® Blank15 are stable for up to 6 months without loss of activity when stored at 4°C.

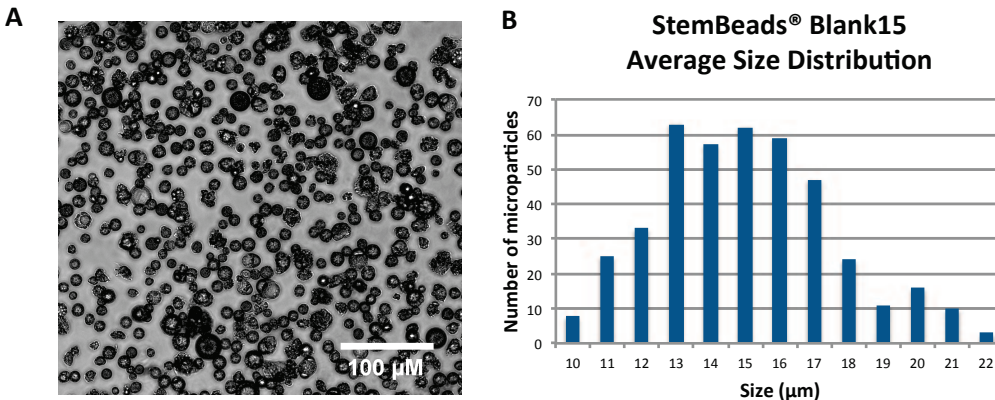
#### Release Profile:

Not applicable. StemBeads® Blank15 are not loaded with any protein.

#### Physical Characteristics:

StemBeads® Blank15 are  $15 \pm 2 \mu\text{m}$  in diameter.

### DATA



A) Phase image of StemBeads® Blank15 under 32X objective.

B) Average Size distribution of StemBeads® Blank15. Analysis performed using ImageJ (NIH).

### REFERENCES

1. Lotz S., et al. Sustained Levels of FGF2 Maintain Undifferentiated Stem Cell Cultures with Biweekly Feeding. PLoS ONE 2013, 8(2).
2. van de Leemput J., et al. CORTECON: a temporal transcriptome analysis of in vitro human cerebral cortex development from human embryonic stem cells. Neuron. 2014, 83(1):51-68.
3. Boles, N.C., et al. NPTX1 regulates neural lineage specification from human pluripotent stem cells. Cell Rep. 2014, 6(4):724-36.

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