

### PRODUCT DESCRIPTION

StemBeads® EGF is a patented growth factor supplement that offers a novel way to grow EGF-dependent cell cultures more efficiently, with fewer media changes. StemBeads® EGF are microparticles composed of a FDA approved, biodegradable polymer that is loaded with recombinant human endothelial growth factor (EGF). Under the microscope, the StemBeads® EGF will appear as dark circles that do not harm the cells, and with time, break down to release the encapsulated protein at a constant rate. The stable level of EGF in culture allows for a more homogeneous stem cell culture, while saving researchers valuable time with less media changes.

### ORDERING INFORMATION

CATALOG #	PRODUCT NAME	SIZE	RELEASE
SBEGF	StemBeads® EGF	3 mL	20 µL/mL = 10 ng/mL

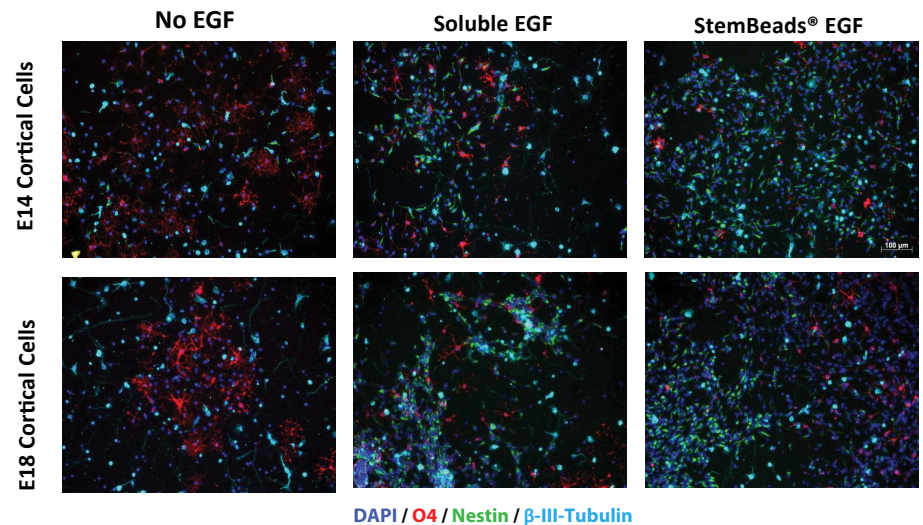
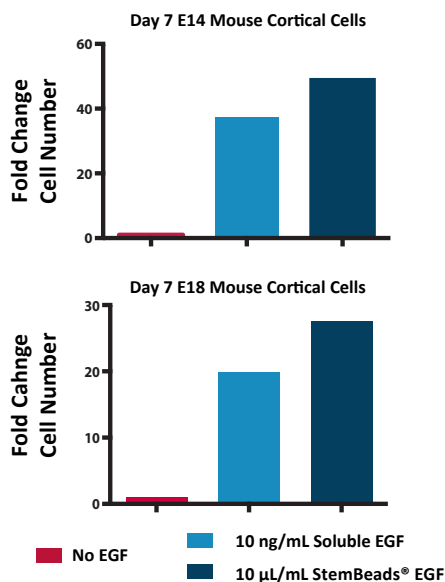
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### PRODUCT HANDLING/DIRECTIONS FOR USE

<i>Reconstitution &amp; Use:</i>	StemBeads® EGF are provided as a ready-to-use 3 mL solution in DMEM/F12.
<i>Storage &amp; Stability:</i>	Upon arrival store at 4°C. StemBeads® EGF are stable for up to 6 months without loss of activity when stored at 4°C.
<i>Release Profile:</i>	20 µL/mL StemBeads® EGF = 10 ng/mL release of soluble EGF.
<i>Physical Characteristics:</i>	StemBeads® EGF are 50 ± 35 µm in diameter.

### APPLICATION DATA



Mouse Neural Stem Cells (NSCs) grown for one week in media supplemented with StemBeads® EGF beads show increased cell density versus media with or without Soluble EGF.

Mouse NSCs grown for one week in media supplemented with StemBeads® EGF show increased progenitor cells (Nestin+) and Neurons (β-Tubulin-III) versus conditions fed with media supplemented with or without soluble EGF.

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