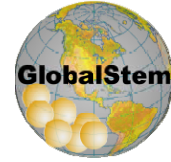


Product Protocol



MEF Plating Density to Support Embryonic Stem Cells

For Experts by Experts™

GlobalStem recommends the following plating densities of MEFs to support human or mouse embryonic stem cell culture.

Vessel type	Surface area	MEF number for mESCs	MEF number for hESCs
12 well plate	3.8 cm ² /well	0.2 x 10 ⁶ /well	0.28 x 10 ⁶ /well
6 well plate	9.5 cm ² /well	0.5 x 10 ⁶ /well	0.7 x 10 ⁶ /well
T25 flask	25 cm ²	1-1.5 x 10 ⁶	2 x 10 ⁶
10cm dish	55 cm ²	3 x 10 ⁶	4 x 10 ⁶
T75 flask	75 cm ²	3- 4 x 10 ⁶	4-6 x 10 ⁶
T225 flask	225 cm ²	12-15 x 10 ⁶	18-21 x 10 ⁶

Final densities can vary significantly based on user experience, the strain of MEFs and species of stem cells. These recommendations are based on what is commonly used by GlobalStem scientists for stem cell proliferation and research. Users may prefer different densities.

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