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Introduction

By combining stem cell biology and microfluidics, TreeFrog Therapeutics has developed a high-throughput cell-encapsulation process (C-Stem™) that provides a biomimetic 3D culture environment, where cells self-organize in an epiblast structure similar to early embryonic development.

Here we compare the growth of iPS cells in 2D conventional culture vs aggregates vs. encapsulated cells (C-Stem™) grown in bioreactors during a period of 28 days.

Methods

The iPS cell line IMAGINi005 previously characterized¹ at Imagine Institute iPS platform was used.

