



Thermo Scientific Nunclon Sphaera  
Flasks, Dishes and Plates

**making your  
most valuable work**

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**your best work**

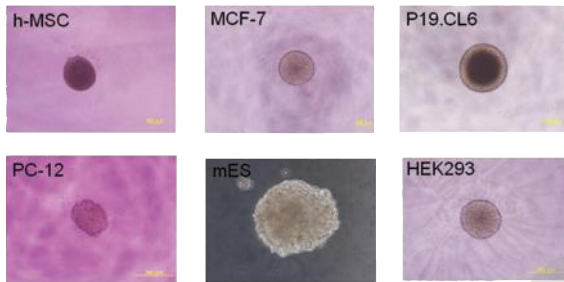
**Thermo**  
SCIENTIFIC

# Advancing your cell culture research

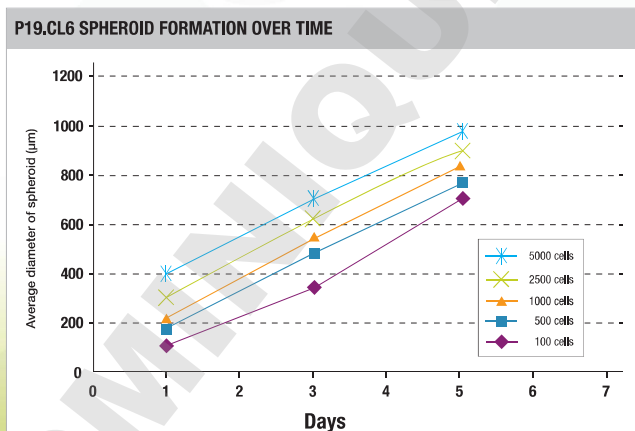
## Optimizing spheroid formation

The Thermo Scientific™ Nunclon™ Sphera culture surface allows cells to grow in suspension with virtually no cell attachment. The new surface supports many different cell types and their ability to generate spheroids; studies show that over time the spheroids grow in volume, indicating that the new surface enables consistent, repeatable cell growth.

### ENHANCING SPHEROID CULTURES ACROSS MANY CELL TYPES



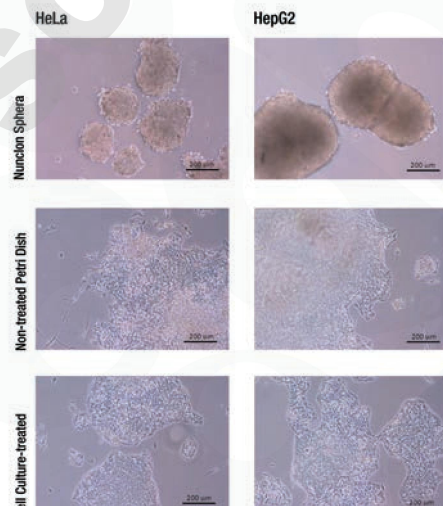
### EXPANDING SIZE OF SPHEROIDS WITH DIFFERENT SEEDING DENSITY



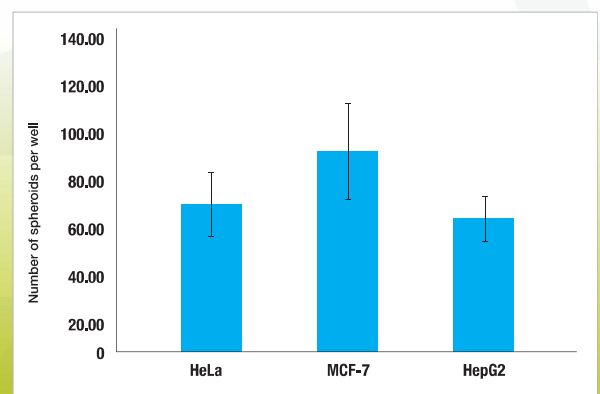
## Growing 3D cancer cultures

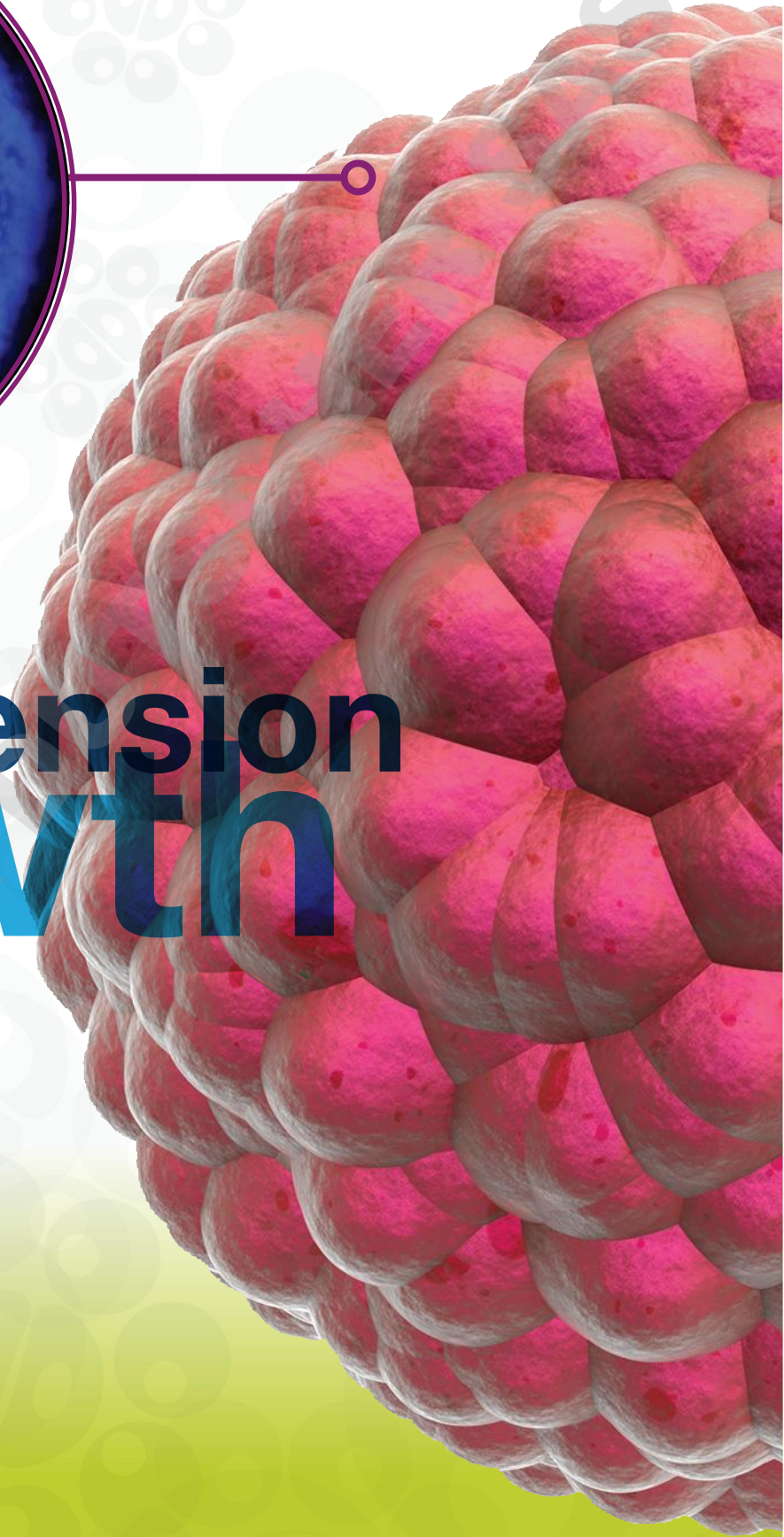
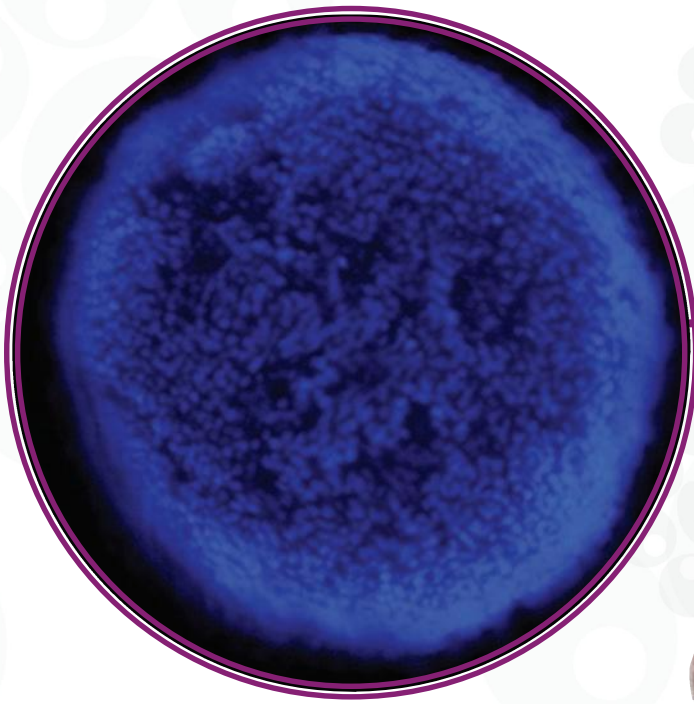
The Nunclon Sphera surface minimizes variability and supports the consistent formation of cancer spheroids that simulate the 3D structures of tumor growth, providing a better model system for studying tumor cell progression and efficacy of anticancer agents *in vitro*.

### OUTPERFORMING NON-TREATED PETRI DISH FOR CANCER SPHEROID CULTURE



### GENERATING FAVORABLE NUMBER OF CANCER SPHEROIDS





**suspension**  
**growth**

DOMINIQUE

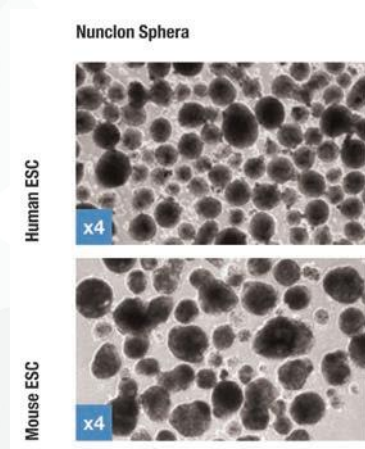
# Elevating your stem cell research

## Promoting formation of embryoid bodies (EB)

As an important milestone in the differentiation process, the Nunclon Sphera surface demonstrates superior quality for embryoid body formation of pluripotent stem cells with minimal spontaneous differentiation. The resultant cells are able to differentiate into all three germ layers.

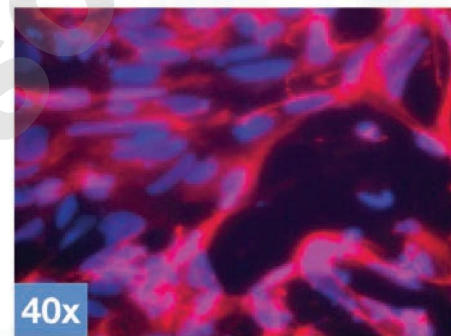


### OPTIMIZING EB FORMATION OF PLURIPOTENT STEM CELLS

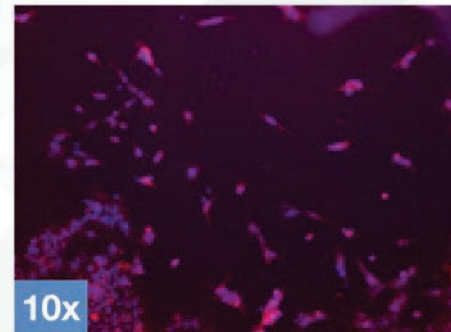


### MAINTAINING DIFFERENTIATION POTENTIAL OF PLURIPOTENT STEM CELLS

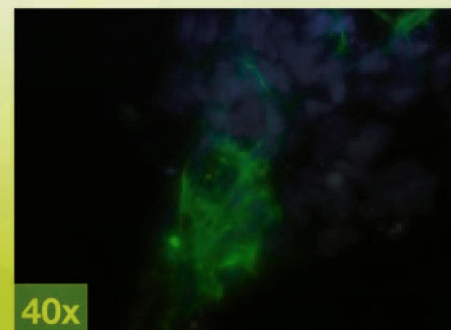
#### Beta-Tubulin



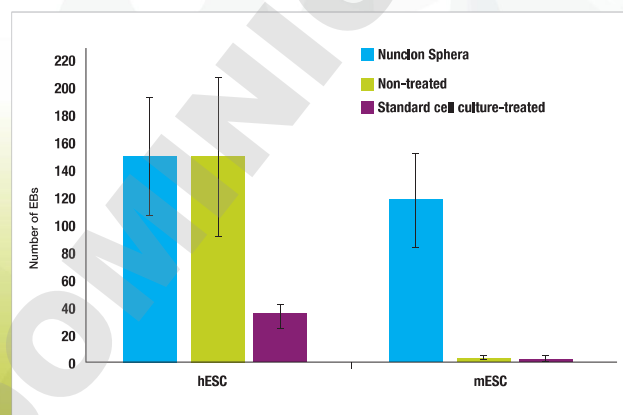
#### AFP

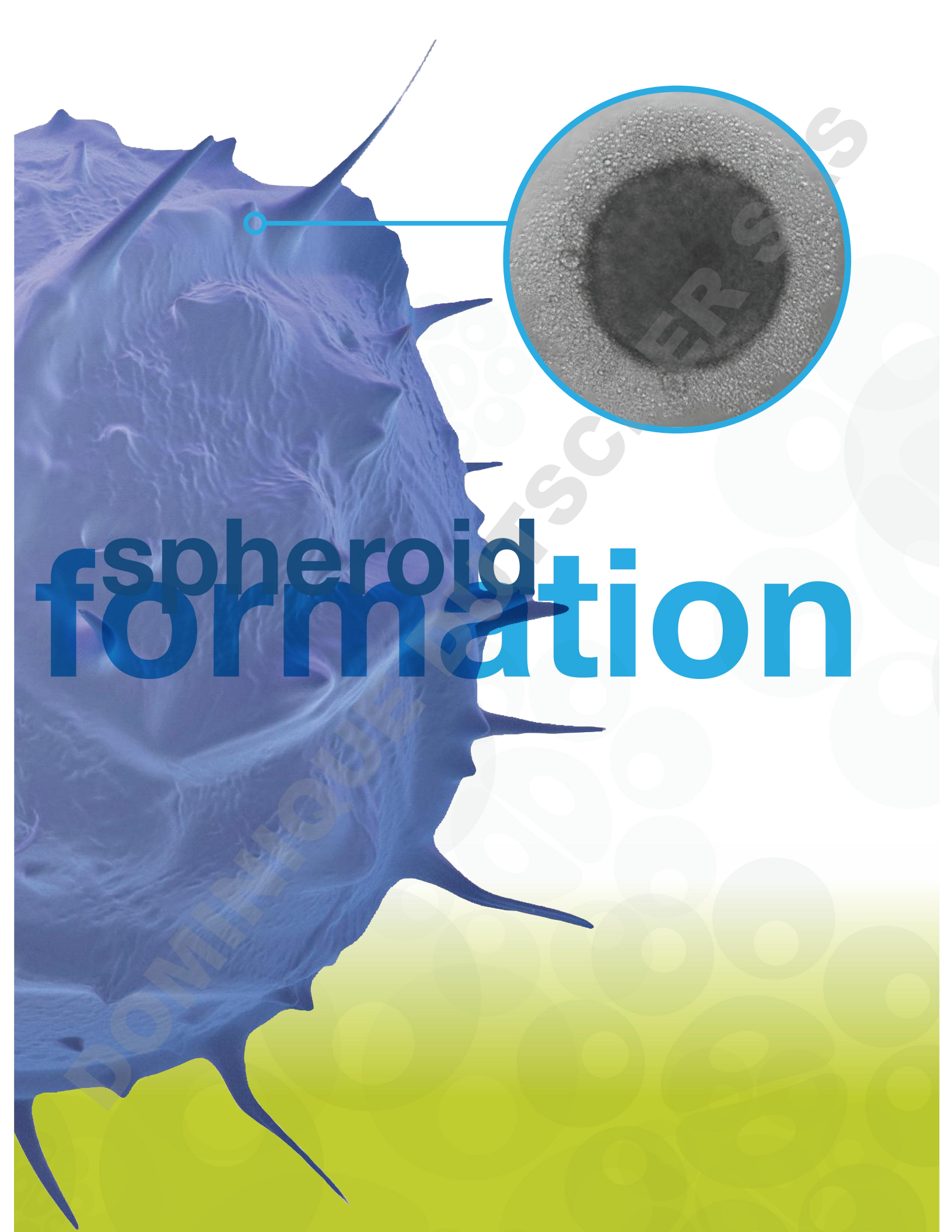


#### Alpha-SMA



### OUTPERFORMING OTHER SURFACES FOR CONSISTENT EB FORMATION OF DIFFERENT PLURIPOTENT STEM CELLS

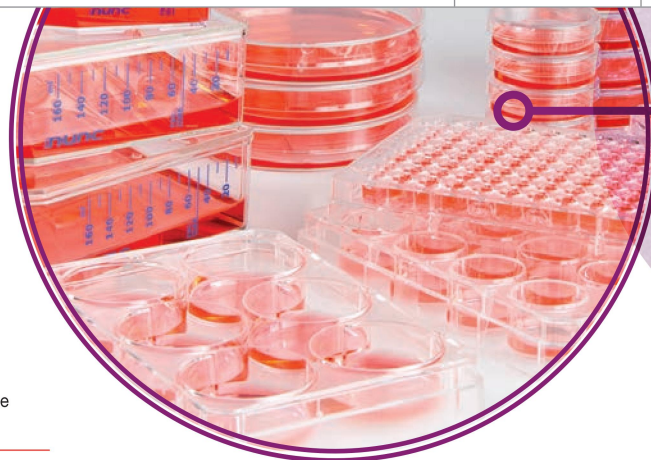




# spheroid formation

# Ordering Information

| Thermo Scientific Cat. No. | Description                                                | Units per bag | Units per case |
|----------------------------|------------------------------------------------------------|---------------|----------------|
| <b>174925</b>              | Microwell 96U-Well Plate, Round Bottom, Well Volume 300 µL | 1             | 8              |
| <b>174927</b>              | Microwell 96F-Well Plate, Flat Bottom, Well Volume 400 µL  | 1             | 8              |
| <b>174929</b>              | Microwell 96U-Well Plate, Round Bottom Bulk Pack           | 5             | 50             |
| <b>174930</b>              | Multidish 24-Well, Culture Area 1.9 cm <sup>2</sup>        | 1             | 7              |
| <b>174931</b>              | Multidish 12-Well, Culture Area 3.8 cm <sup>2</sup>        | 1             | 7              |
| <b>174932</b>              | Multidish 6-Well, Culture Area 9.6 cm <sup>2</sup>         | 1             | 7              |
| <b>174943</b>              | Dish 35 MM, Culture Area 8.8 cm <sup>2</sup>               | 5             | 20             |
| <b>174944</b>              | Dish 60 MM, Culture Area 21.5 cm <sup>2</sup>              | 5             | 20             |
| <b>174945</b>              | Dish 90 MM, Culture Area 56.7 cm <sup>2</sup>              | 5             | 20             |
| <b>174951</b>              | T25 Cell Culture Flask, Culture Area 25 cm <sup>2</sup>    | 6             | 18             |
| <b>174952</b>              | T75 Cell Culture Flask, Culture Area 75 cm <sup>2</sup>    | 4             | 24             |



[www.thermoscientific.com/sphera](http://www.thermoscientific.com/sphera)

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