

1. Product: Cell Floater(96 well, U-Bottom)

SPL Life Sciences Cell Floaters are designed for 3D culture research, procedures such as mammalian cell culture. Test and evaluation protocol was based on basic 3D culturing technique, performed by the members SPL Life Sciences R&D Center.

2. Test overview

Item	Description
Test Products	Cell Floater(96 well, U-Bottom)
Test Brands	SPL, Competitor A, Competitor B
Cell Lines	L929, HeLa, HT-1080
Culture Period	48 hours
Evaluation Parameter	Spheroid diameter(μm)
Number of Independent Experiments	9

2.1 Experimental condition

1) Cell Culture ware

Type	Cat No.	Sample Selection Method
Cell Floater(96well, U-Bottom)	34896	Random Sampling

2) Seeding Conditions

Cells were seeded at the following densities:

Culture Vessel	Product	Seeding Density
Cell Floater(96well, U-Bottom)	34896 / Competitors	3,000 cells/well

3) Cell Culture Conditions

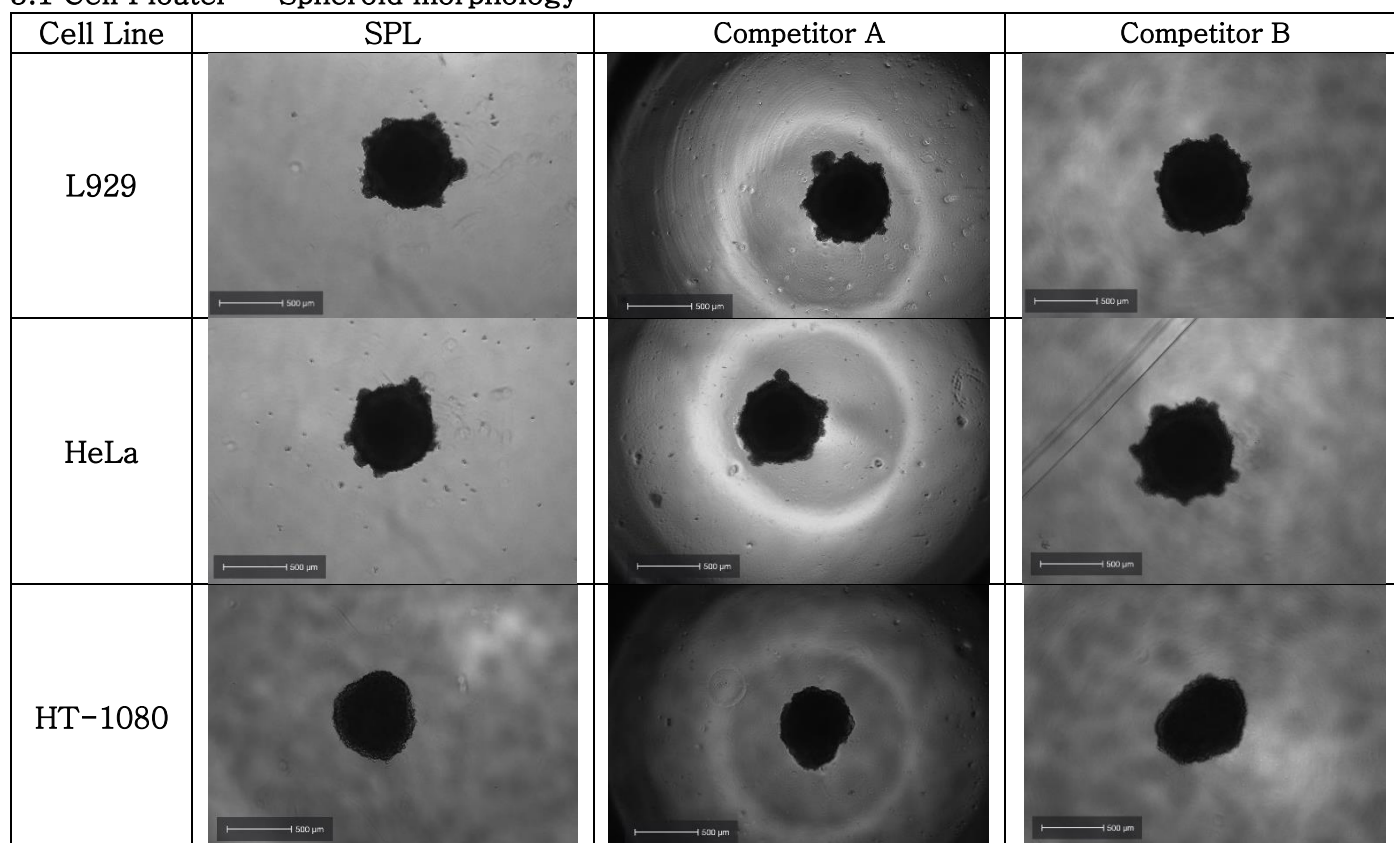
Parameter	Condition
Temperature	37°C
CO ₂	5%
Culture Period	48 h
Culture Medium	Cell-line appropriate complete medium
Culture Environment	Humidified CO ₂ incubator

2.2 Protocols

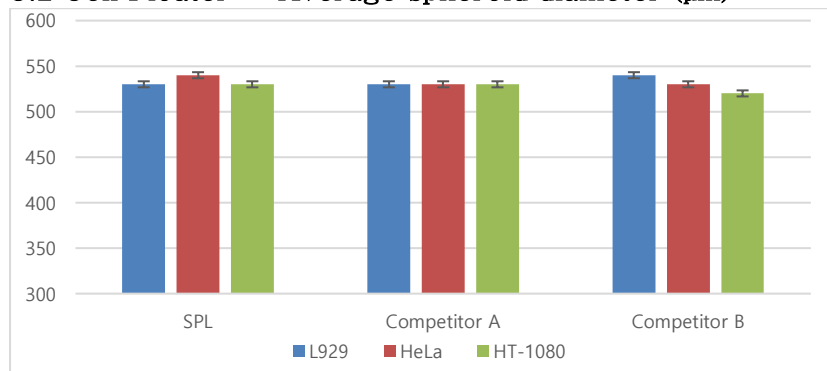
- ① Prepare cells under the recommended culture conditions until they reach an appropriate growth state.
- ② Detach and collect the cells to prepare a single-cell suspension, then adjust the seeding concentration.
- ③ Seed cells into each test group and culture them under identical conditions.
- ④ Observe spheroid morphology and measure **Spheroid diameter(μm)**.
- ⑤ Calculate the average values and compare spheroid culture performance between SPL and competitors.

3. Results

3.1 Cell Floater — Spheroid morphology



3.2 Cell Floater — Average spheroid diameter (μm)



The spheroid-forming capacity of the SPL Cell Floater was comparable to that observed with the tested competitor products.

4. Conclusion

SPL Cell Floater Demonstrates Reliable and Consistent Spheroid Formation Performance

In this comparative cell culture study, the SPL Cell Floater was evaluated against competitor products using L929, HeLa, and HT-1080 cell lines.

These results demonstrate the reliable spheroid formation performance and competitive quality of the SPL Cell Floater.

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