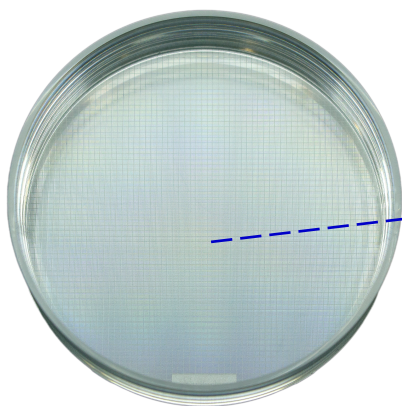
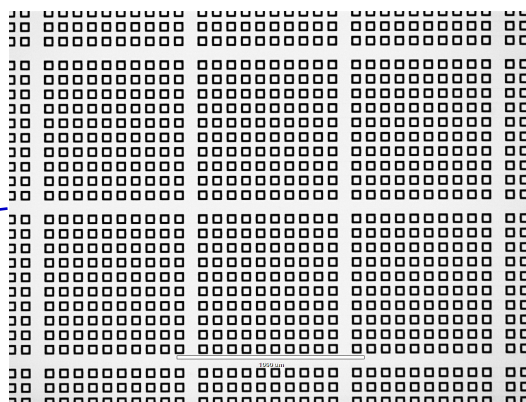


**PicoWell Dish-300K Wells** features an ultra high-density array of picoliter-volume wells on a polystyrene Petri dish, enabling researchers for single-cell seeding, live-cell imaging, and culture to generate various cloning and spheroids.

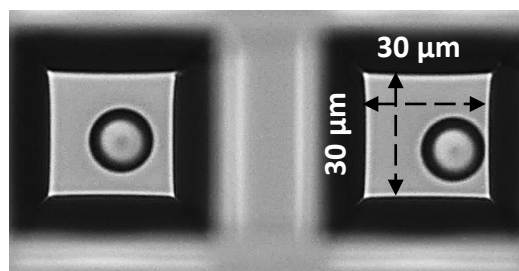
**PicoWell Dish-300K Wells**



**Cell Culture Polystyrene Well Array**



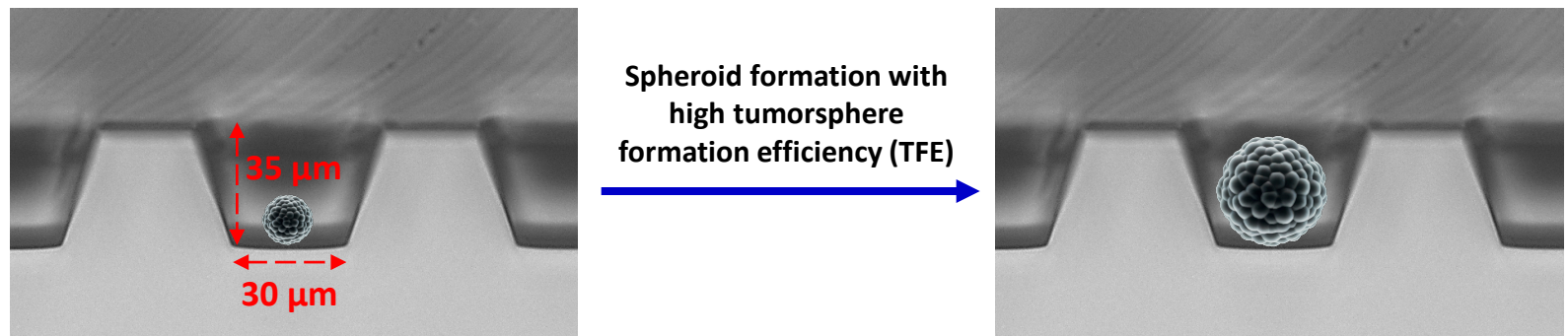
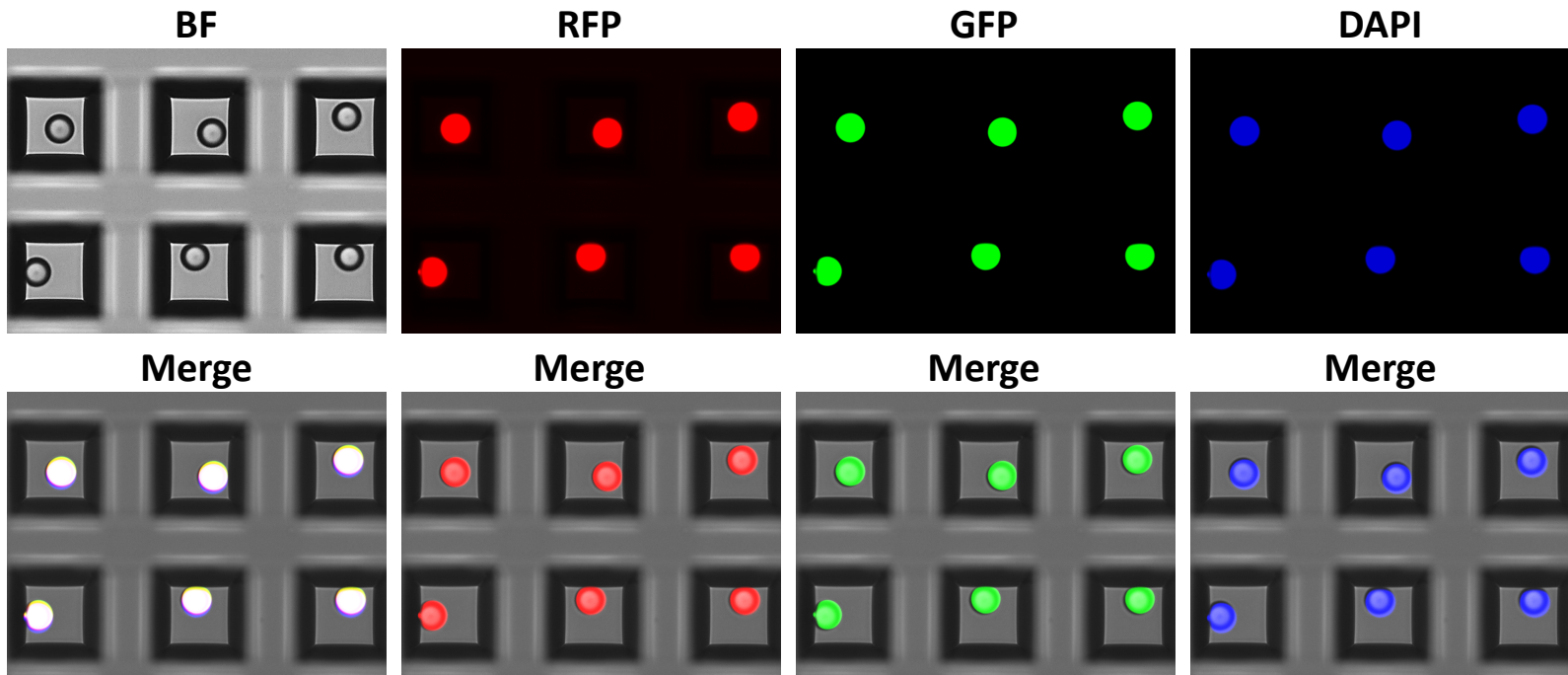
**Single-Cell Seeding in a 50 pL Well**



Cat. No. H10-PWD-10PK

Specifications	Description
Format	60 mm Petri dish
Dish Bottom Thickness	1.2 mm
Material	Polystyrene (medical grade)
Sterility	Sterile
Well Bottom Width	30 μm
Well Depth	35 μm
Well Volume	50 pL
Number of Wells	~303,000 wells in 10×10 arrays
Well Surface	Optional plasma treatment
Single-Cell Cloning	Able to disperse 100,000 single cells in one dish to optimize cloning simultaneously

# Single-Cell Seeding, Imaging & Spheroid Formation (Compatible with Cancer/Stem/Immune/Other Mammalian Cell Lines)



## Main Features and Applications

- ✓ **High-Density Spheroid Culture:**  
The PicoWell Dish-300K Wells with its > 303,000 picoliter volume wells enables culturing many spheroids on a single dish, which is ideal for high-throughput experiments.
- ✓ **Small Well Size for Optimal Spheroid Formation:**  
The small well size (30  $\mu\text{m}$  bottom width) of the PicoWell Dish-300K Wells confines cells, promoting their aggregation into spheroids that mimic tissue structures.
- ✓ **Minimizes Movement During Live Imaging:**  
The confined wells of the PicoWell Dish-300K Wells (30  $\mu\text{m}$  bottom width, 35  $\mu\text{m}$  depth) help prevent cells and spheroids from drifting and moving out of the field of view during live cell imaging experiments.
- ✓ **Suitable for High-Throughput Imaging:**  
The high density and small well size of the PicoWell Dish-300K Wells allow for rapid imaging of a large number of cells and spheroids on a single dish.
- ✓ **Enables Close Cell Interactions:**  
The confined wells (30  $\mu\text{m}$  bottom width) of the PicoWell Dish-300K Wells promote proximity between cells, facilitating studies on cell-cell communication, particularly useful for cell signaling research.