



Cell media change

In long-term spheroid culturing, refreshing cell media is a challenging step. CELL HANDLER™ solves this issue by transferring spheroids to new plates, thereby achieving a complete media change (Fig. 1).

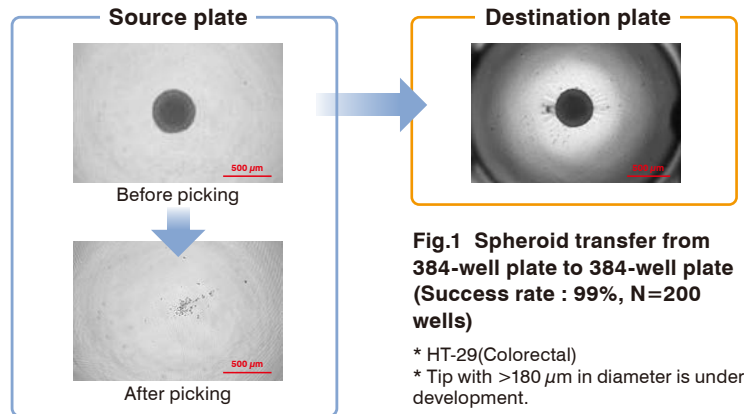


Fig.1 Spheroid transfer from 384-well plate to 384-well plate (Success rate : 99%, N=200 wells)

* HT-29(Colorectal)
* Tip with >180 µm in diameter is under development.

Expanding cell culture

Upscaling of cell culture requires transferring of cells or spheroids to plates with larger well sizes, which is done rapidly and efficiently by the CELL HANDLER™ (Fig. 2).

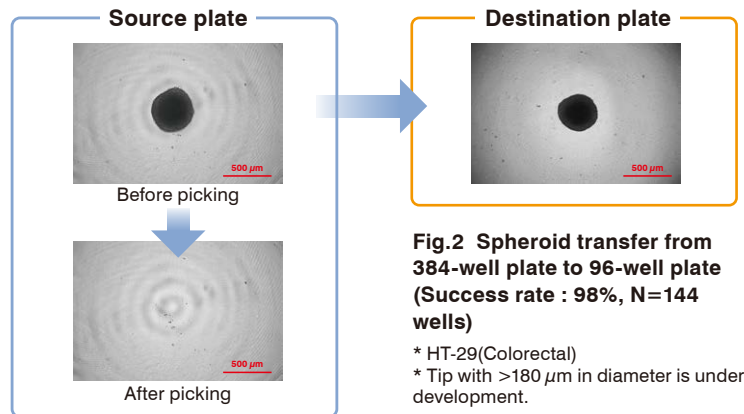
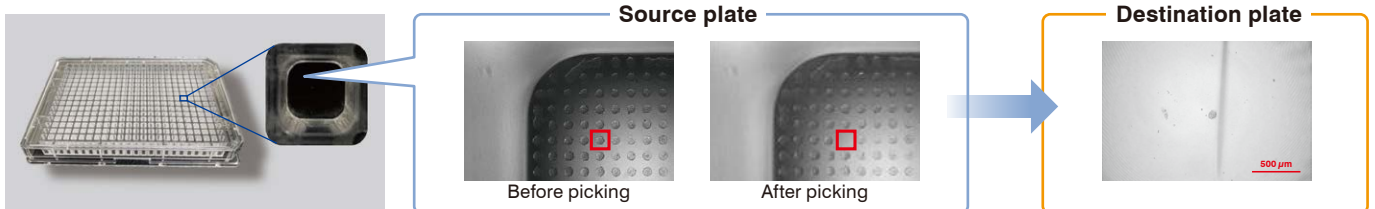


Fig.2 Spheroid transfer from 384-well plate to 96-well plate (Success rate : 98%, N=144 wells)

* HT-29(Colorectal)
* Tip with >180 µm in diameter is under development.

Picking of adherent spheroids

Adherent spheroids are formed in circular shapes at the bottom of the Cell-able® plate. CELL HANDLER™ transfers these adherent spheroids with high precision.



Cell-able®

Fig. 3 Cell-able® to 384 well plate

* HT-29(Colorectal)

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