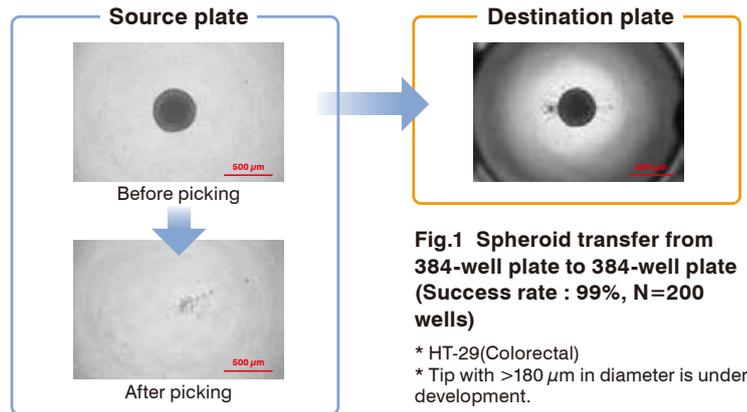




## Cell media change

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).

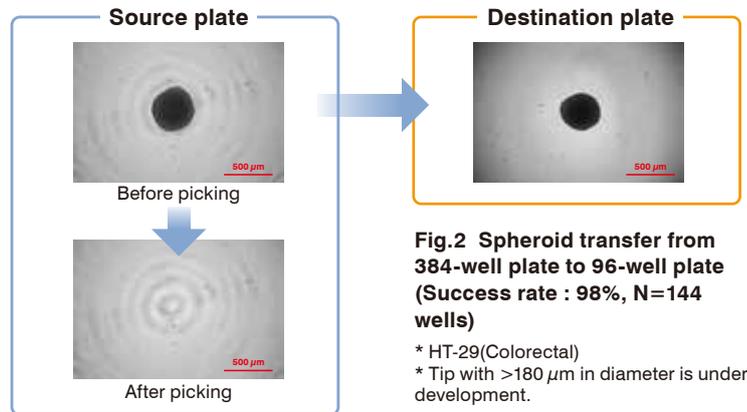


**Fig.1 Spheroid transfer from 384-well plate to 384-well plate (Success rate : 99%, N=200 wells)**

\* 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).

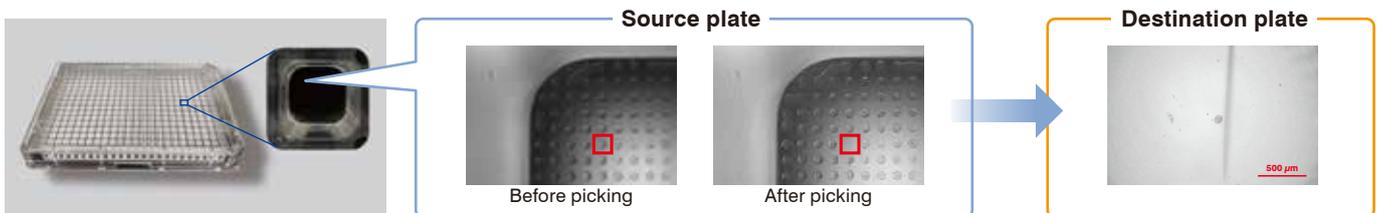


**Fig.2 Spheroid transfer from 384-well plate to 96-well plate (Success rate : 98%, N=144 wells)**

\* 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)

\*\*Cell-able" is a registered trademark of TOYO GOSEI CO., LTD..

