

Organoids

YAMAHA CELL HANDLER™ can directly and accurately pick up cell aggregates from hydrogel media, e.g. Matrigel® (Figure 1 for two-layer Matrigel® and Figure 2 for dome Matrigel®).

It also significantly shortens the duration of the spheroid or organoid collection from the MP* and thus, enables tests with multiple conditions.

* MP: Microplate

Assay with two-layer Matrigel®

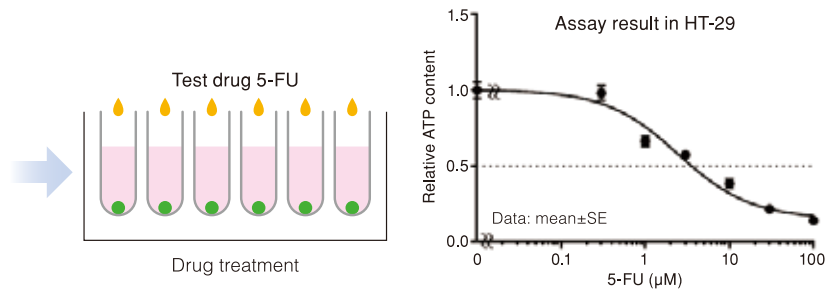
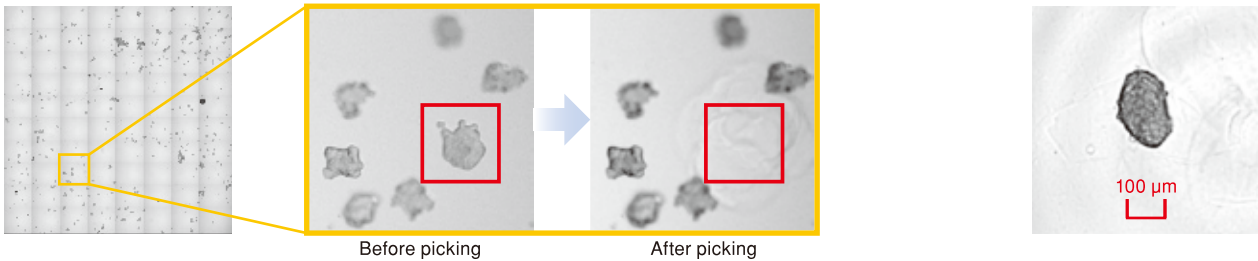


Figure 1

Assay with dome Matrigel®

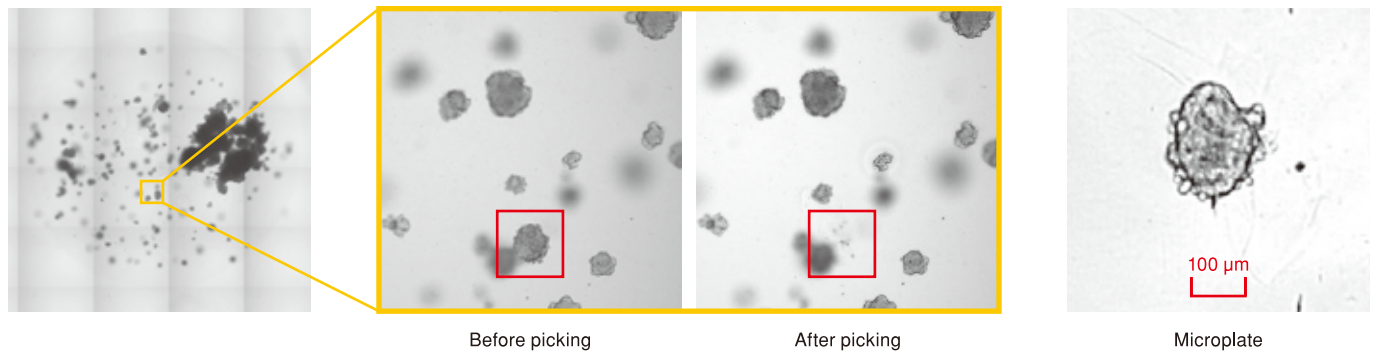
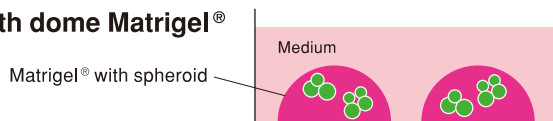


Figure 2





Tissue sampling for ex vivo/histoculture

YAMAHA CELL HANDLER™ can directly and precisely sample ex vivo tissues (Fig. 1), which helps streamline chemosensitivity assay, e.g. HDRA* or other primary cancer assays.

* Histoculture drug response assay

Vescio RA et al. Proc Natl Acad Sci USA 1987;84:5029-33

Method/Workflow

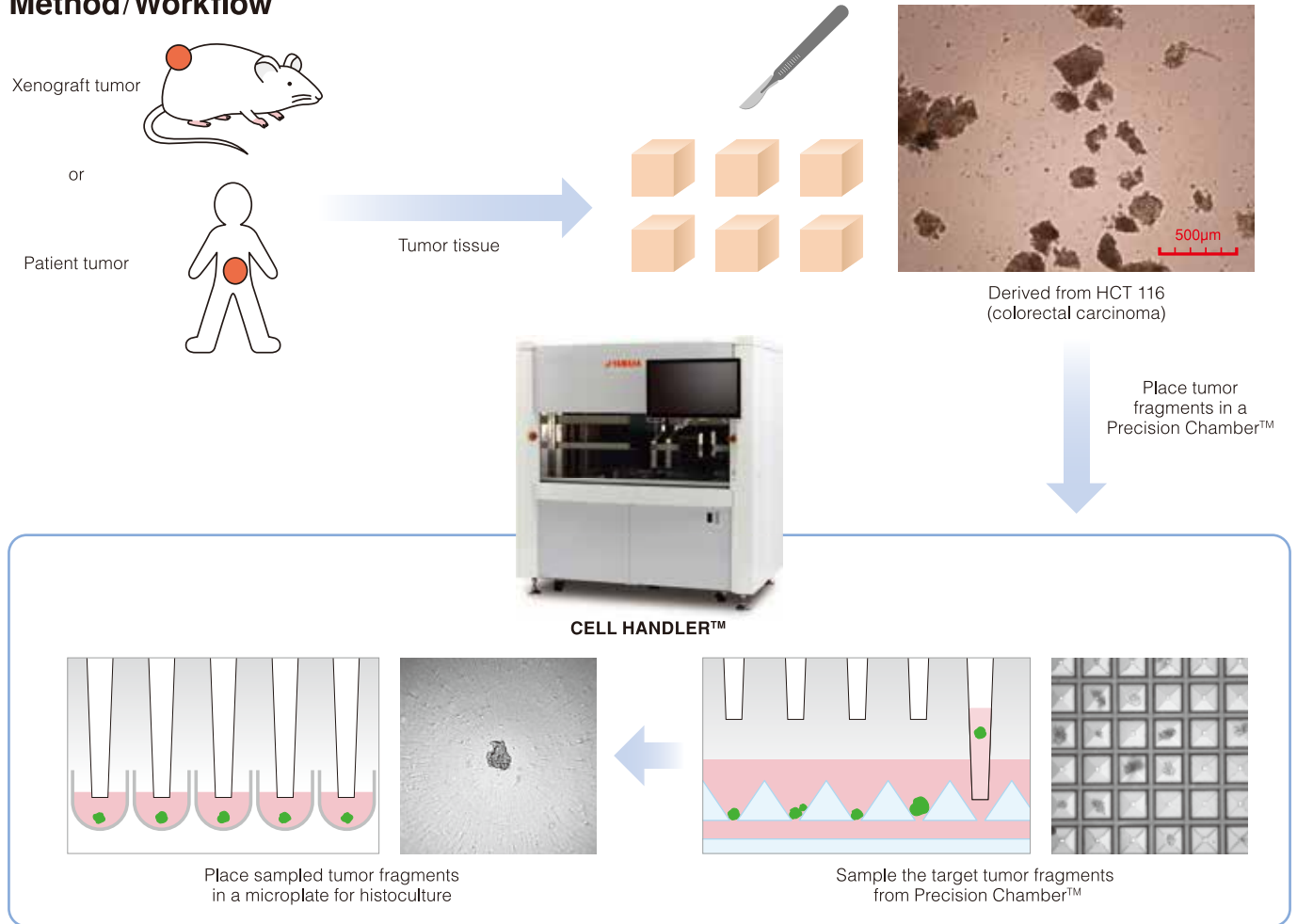
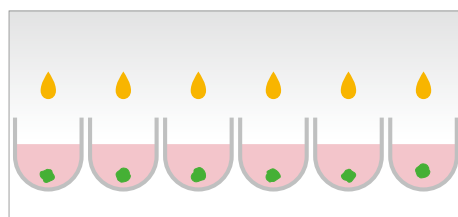
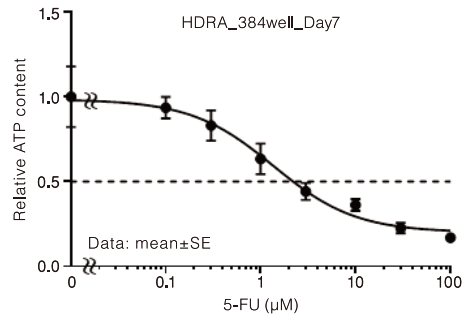


Figure 1



Treat the histocultured tumors with the test drug



Survival curve of histocultured tumors after drug treatment

