

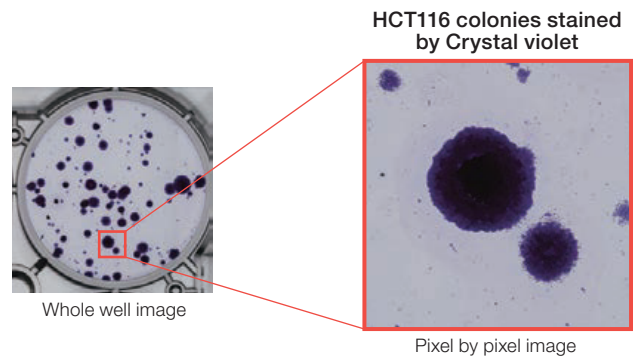
Colony-forming units assay

KEYWORD 1) Colony formation 2) Colony formation units assay 3) Crystal violet

SUMMARY Cell³iMager neo is useful for 'colony formation assay' stained by crystal violet.

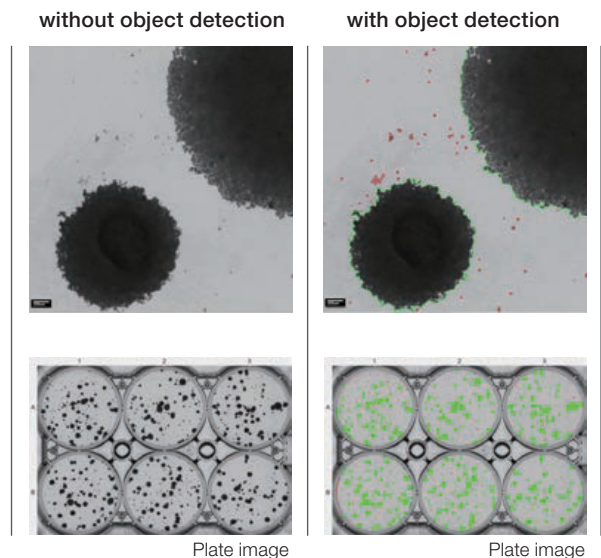
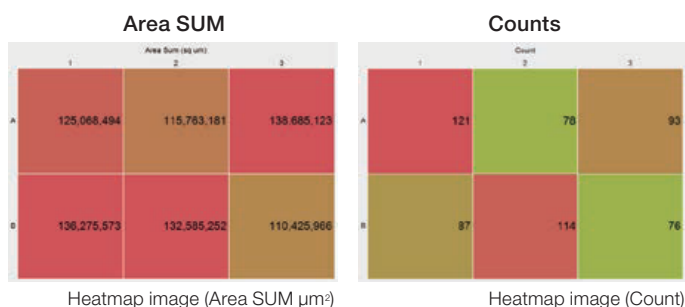
Materials and Methods

Cell Line: HCT116 cells (RIKEN BRC)
 Medium: DMEM (Nacalai tesque)
 Reagent: 1% Crystal violet (Wako)
 Plate: 6-well plate flat bottom (IWAKI)
 Seeding cell density: 50 cells / well
 Culture days: 14 days
 Imaging methods: 4800 dpi



Results and Conclusions

- It is possible to the quantification of colony formation assay using 'the area SUM', 'the number of colonies' and 'average diameter of colony' is easy.
- The numerical data can be displayed as a heat map. It can be visually confirmed the difference between samples.



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