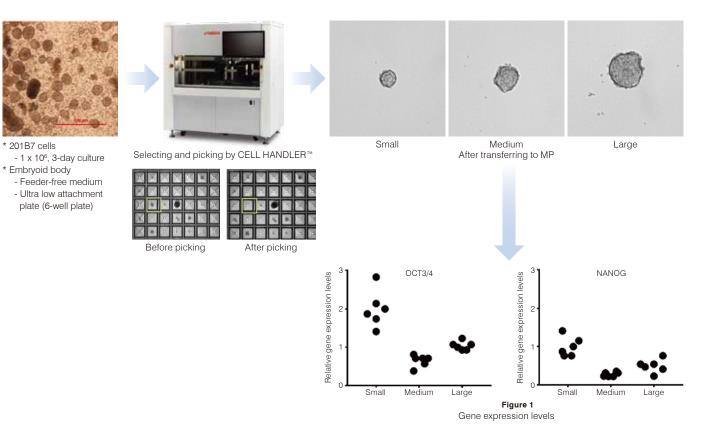


## Differentiation analysis of iPSC

Embryoid body (EB) spheroids derived from 201B7 cells were selected and grouped by size (area). Expression levels of several differentiation markers were measured (Fig. 1).

Our result showed that small-sized EB spheroids tended to remain undifferentiated.

\* Data from iPS Portal



## IPS-derived cardiomyocytes

CELL HANDLER<sup>™</sup> can accurately pick up spheroids of different sizes and shapes. In this example (Fig. 2), cardiomyocyte spheroids with varying characteristics were intentionally picked (Fig. 3). After 3-day incubation, the spheroids were found to rhythmically contract, resembling functional cardiac muscle.

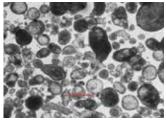


Figure 2 Cardiomyocytes\*





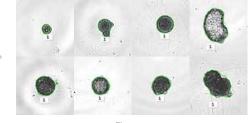


Figure 3 Cardiomyocytes in MP

\* Provided by Dr. Shimizu (Professor of Tokyo Women's Medical Univ., ABMES)



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\* For research use only. Not for use in diagnostic or therapeutic procedures. \* The specifications are subject to change without notice. \* The above are the results of experiments in our laboratory. The results may vary depending on the work environment, cell type and so on.