Media for Adipose-Derived Stem Cells

KBM ADSC-4

Characteristics

● Serum-free, Xeno-free, Chemically Defined culture medium
The infection risk from heterologous animal-derived ingredients can be avoidable.
It will not affected by lot difference.

● Ready-to-use
There is no need to add supplements.

● No phenol red included
It is not affected by phenol red during fluorescent staining.
There is no estrogen-like action by phenol red.

●No coating required
It is possible to reduce culturing costs and man-hours.

●Maintain undifferentiated state
Long-term culture is possible while maintaining undifferentiated state of adipose-derived stem cells (ADSC).

● High growth performance

Cell culture example

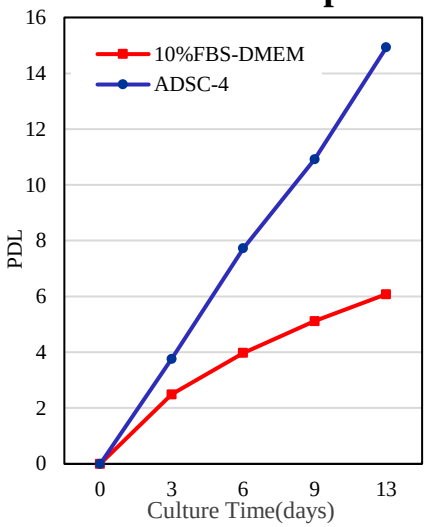


Fig.1:Growth curve of cells at passages

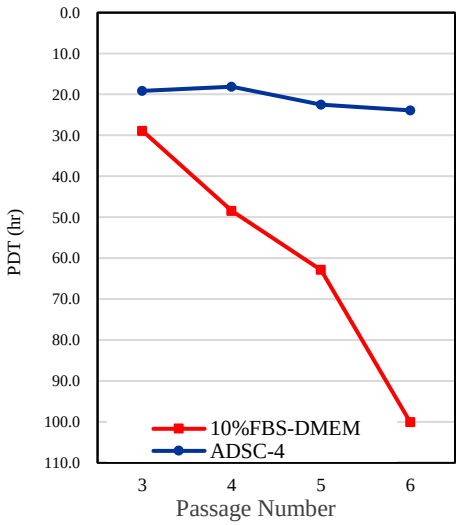
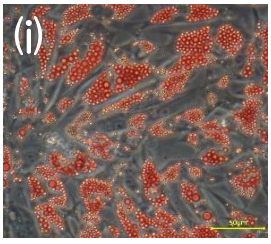
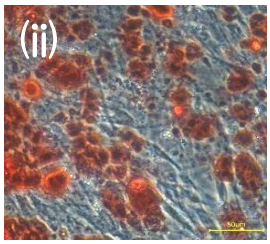


Fig.2:Variation of PDT at passages

Surface makers	(%)
CD73	98.1
CD90	99.8
CD105	99.7
CD14	0.1
CD34	0.6
CD45	0.0

Table.1: Ratio of cell surface markers at 6 passages





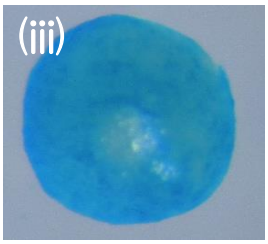


Fig.3: Images of P6 cells after differentiation induction in ADSC-4.
(i) Adipose differentiation ： After culturing to confluence, cultured for 7 days and stained with OilredO.
(ii) Osteoblastic differentiation ： After culturing to confluence, cultured for 7 days and stained with AlizarinRedS.
(iii) Chondrogenic differentiation ： Spheroids were prepared by hanging drop method, cultured for 21 days and stained with Alcian Blue.

Product No.	Product Name	Size	Price	Shelf Life	Storage
16030044	KBM ADSC-4	500 mL	JPY 45,000	12 months	-20℃

＊ Addition of serum or serum replacement items may be necessary at the time of primary culture.
＊ This product is sold for research purposes only.

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