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

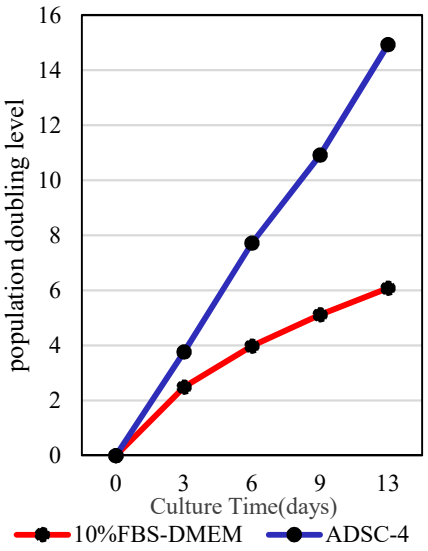


Fig.1:Growth curves in subculture

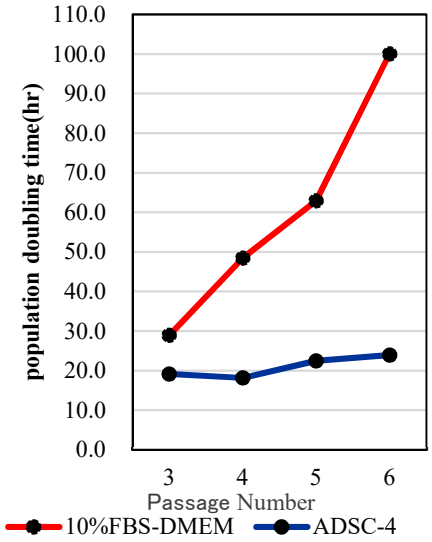


Fig.2:Variation of PDT in subculture

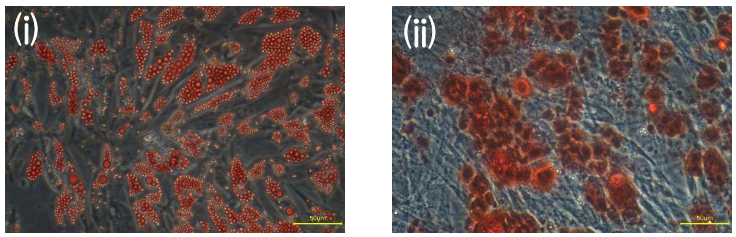
(%)	P6
CD29	100
CD44	100
CD73	99.8
CD90	99.9
CD105	99.9
CD31	0.12
CD34	0.20
CD45	0.00

Table.1:Percentrage of cell surface markers after ADSC-4 culturing

[Culture Protocols]

Seeded Cells：Adipose-Derived Stem Cells
Medium：　KBM ADSC-4
Culture Vessel：6well plate
Culture Protocols：37℃・5%CO2

＊Addition of serum or serum replacement items may be necessary at the time of primary culture.



Cells after 7days of differentiation induction in P6.
(i) Adipose differentiation (Oilred stain)
(ii) Osteoblastic differentiation (Alizarin Red S stain)

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

＊This product is sold for research purposes only.

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