

KBM ADSC-1 & ADSC-2

Applications

- Capable of undifferentiated proliferation of adipose-derived stem cells (ADSC).
- Useful for research in differentiation induction into adipocytes, osteoblasts and chondrocytes*, and lipid production.

*Confirmed the capability to differentiate in vitro to generate adipocytes, osteoblasts and chondrocytes.

Characteristics

- Ready to use medium with 5 % FBS
- KBM ADSC-2 is serum free media. Human serum can be used instead of FBS.



Cell Culture Example 1 (Comparison for FBS and Human Serum)

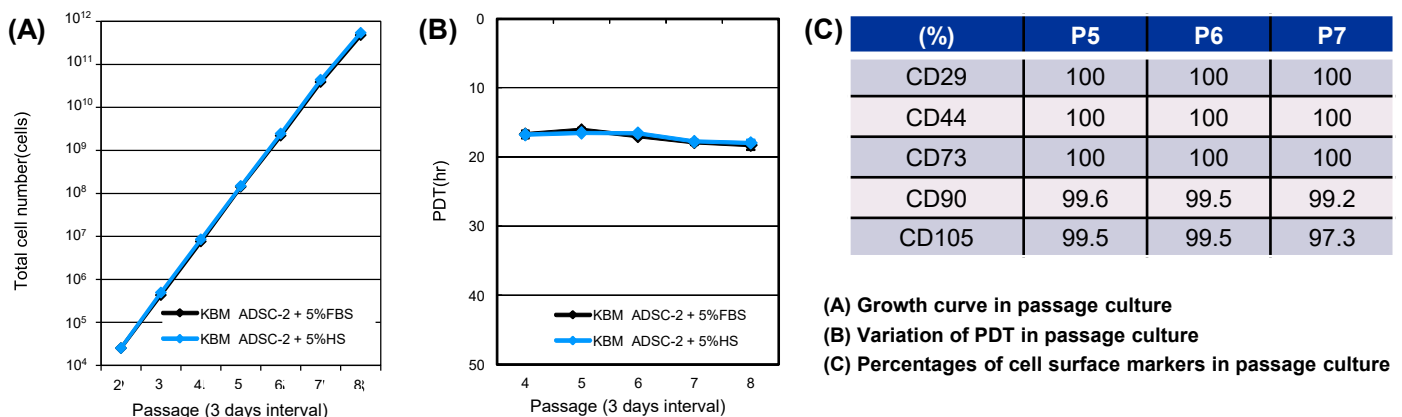
[Passage Culture Assay]

Seeded Cells : ADSCs (P1 frozen Cells, available commercially)

Primary Cells : 4.75×10^4 cells/well

Culture Vessel : 6 well cell culture plate (Corning 3516)

Protocols : Count the number of cells on Day3. Analyzed the cell surface markers by flow cytometry technique.



Cell Culture Example 2 (Differentiation Assay of Cells Cultured in KBM ADSC-1)

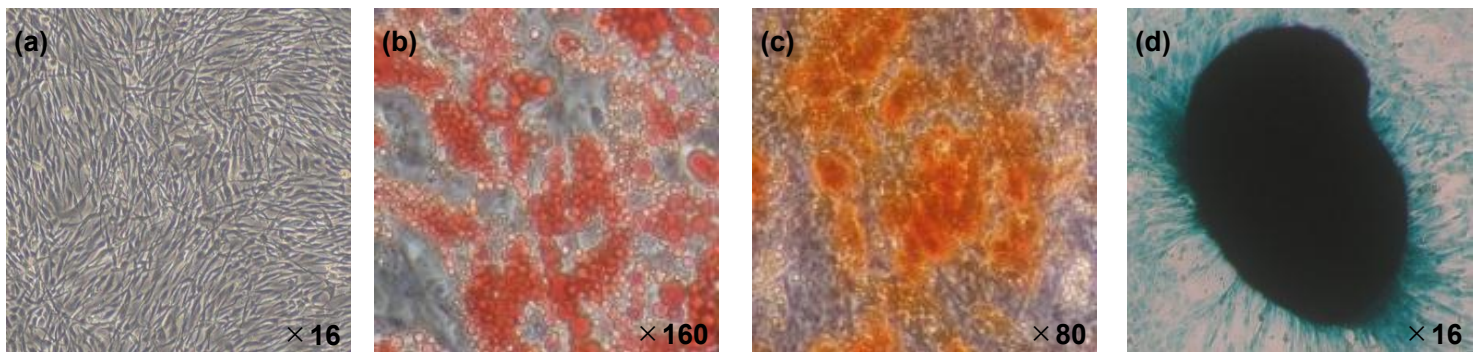
[Culture Conditions]

Seeded Cells : ADSCs (P1 frozen Cells, available commercially)

Culture Medium : KBM ADSC-1

Culture Vessel : 24 well cell culture plate (Corning 353047)

Protocols : Static culture at 37°C, 5% CO₂, humidified incubator



(a): ADSC on the 3rd day in P3

(c): Cells after 21 days of osteoblastic induction in P5 (Alizarin Red S stain)

(b): Cells after 7 days of adipogenic induction in P5 (Oil Red O stain)

(d): Cells after 28 days of chondrocytic induction in P3 (Alcian Blue stain)

Product No.	Product Name	Size	Price	Shelf Life	Storage
16030020	KBM ADSC-1	500 mL	JPY 26,000	1 year	-20°C
16030030	KBM ADSC-2	500 mL	JPY 23,000	1 year	-20°C

* This product is sold for research purposes only.