

# Sf-9/High Five Cell Culture Media

## KBM 740

This product has obtained the Certificate of Material Eligibility for Regenerative Medicine Products in Japan.

### Applications

KBM740 is serum-free medium for insect cells made from raw materials of chemically defined and can be used for the production of vaccine. Especially suitable for 1) high-density suspension culture of Sf9 cell line and 2) protein production by baculovirus expression system using Sf9.

### Characteristics

- Suitable for serum-free culture
- Hydrolysate-free (Not containing Yeast Extract)
- Protein-free
- Chemically defined medium
- Animal-derived component free
- L-glutamine free
- Confirmed for use in High Five(BTI-TN-5B1-4)cell line cultures
- No CO2 incubator required
- Applicable to all culture conditions, including shaking, stirring, and static incubation.



### Cell Culture Example

#### [Passage Culture Assay]

Cultured Cells : Sf9 (Cells adapted d to each medium over three passages)  
Primary Cells :  $100 \times 10^4$  cells/mL  
Culture Vessel : 50mL Flask for culturing suspension cells  
Protocols : 27°C、Shaking culture (125 rpm)  
※ KBM 740 supplemented with 8 mM alanyl-glutamine

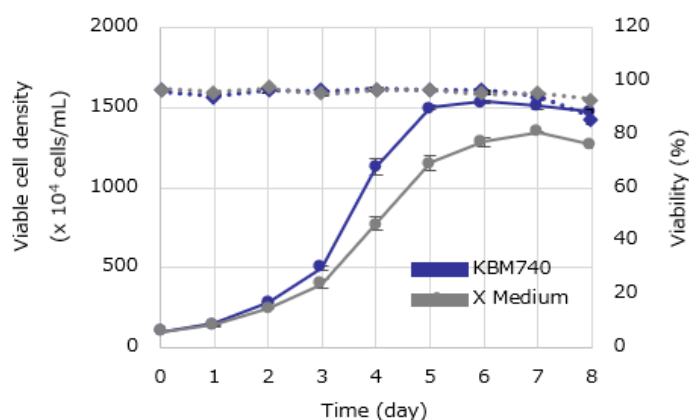


Fig.1 Cell Growth and Viability of Sf9 Cells

#### [Passage Culture Assay]

Cultured Cells : High Five (Cells adapted to KBM740 over three passages)  
Primary Cells :  $50 \times 10^4$  cells/mL  
Culture Vessel : 50mL Flask for culturing suspension cells  
Protocols : 27°C、Shaking culture (85 rpm)  
※ KBM 740 supplemented with 18 mM glutamine

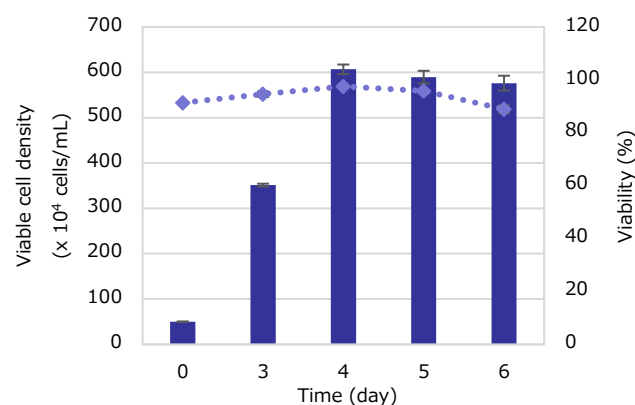


Fig.2 Cell Growth and Viability of High Five cells

### Baculovirus Infectivity

#### [Infection Conditions]

Cultured Cells : Sf9  
Seeding Density :  $20 \times 10^4$  cells/mL  
Culture Vessel : 24 well plate  
Virus : GFP-expressing baculovirus  
MOI : 0.5  
※ KBM 740 supplemented with 8 mM alanyl-glutamine

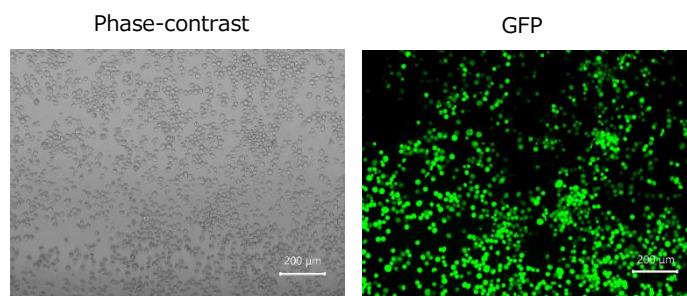


Fig.3 Baculovirus Infection (Phase-contrast & Fluorescence Imaging)

Product No.	Product Name	Size	Price	Shelf Life	Storage
16027405	KBM 740	500mL	JPY 8,000	1 year	2~8°C

\* This product is sold for research purposes only.