

# IVY

## HEK 293 culture medium

Serum free, animal component free. For maximal transient protein expression or viral vector production.

### BENEFITS

Developed to maximize transient protein expression and viral vector replication in HEK293 suspension cells. The medium provides equivalent or higher growth of HEK 293 cells when compared to serum-containing medium. The medium offers

**Simplicity:** Ideal from bench to manufacturing scale.

**Serum-free and animal component free:**

Reduces the risk for animal derived contaminants.

**Fully defined:** It doesn't contain hydrolysates or other complex additives. Thus, process variability is reduced.

**Antibiotic-free:** No risk of antibiotic traces, hidden contamination and endotoxins.



### PRODUCT INFORMATION

IVY medium is free of serum, animal components and hydrolysates. The medium is developed for maximal viral vector replication and transient protein expression in suspension cells. HEK 293 suspension cells have been carried for more than 6 months in IVY medium with no loss of viability.

IVY medium is easy-to-use and suitable for large scale suspension cultures. It requires only minimal or no adaptation from other media.

## APPLICATION

IVY medium is dedicated to maximal production of wide range of viral vectors, e.g. adeno viral vectors, AAV vectors, lenti viral vectors.

IVY is particularly suitable for transfection with polyethylene imine (PEI) and other DNA complexing agents.

IVY is not suitable for viral infections and protein production through stable gene expression. For this application we have developed another special medium (ORCHID).

## MEDIUM SPECIFICATION

Name	IVY
Regulatory	Serum-free, animal component free, hydrolysate free, antibiotic free
Available Form	Liquid & Powder
Cell Line	HEK 293 suspension cells
Storage Condition	2-8 °C, protect from light
Application	For research and manufacturing

## IVY PERFORMANCE

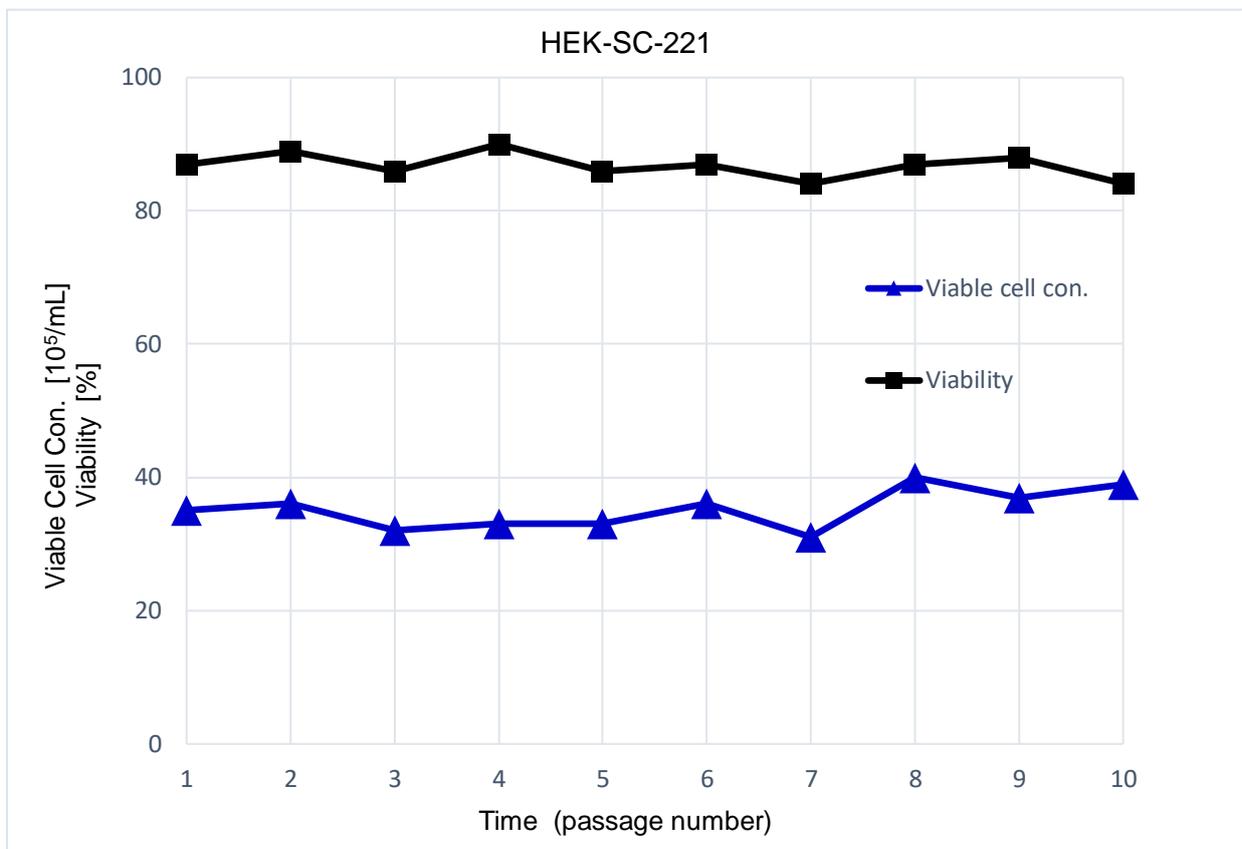


Figure 1: HEK 293 suspension cells are cultured in stock culture (shake flask) in IVY culture medium for 10 passages. Inoculation cell concentration was kept by  $5 \times 10^5$ /mL. Cells were split every 3<sup>rd</sup> days.

## ORDERING INFORMATION

Name	Application	Formulation	Volume	Catalogue number
IVY	Culture medium	Liquid	1 L	IVY3-L1
IVY	Culture medium	Liquid	0,5 L	IVY3-L05
IVY	Culture medium	Powder	1 Kg	IVY3-P1
IVY	Culture medium	Powder	0,25 Kg	IVY3-P025

Custom made media are possible.  
GMP grade powder medium is available.

Florabio AS  
Glbahe Mah. Glbahce Cad.  
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