

MIMOSA

MRC 5 culture medium

Serum free, animal component free, for maximal virus production.

BENEFITS

Developed to maximize virus production with MRC 5 cells. The medium provides equivalent or higher growth of MRC 5 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

MIMOSA medium is free of serum, animal components and hydrolysates. The medium is developed for maximal virus production in suspension cells. If combined with MIMOSA Feeds medium supports a viable cell concentration up to 3.5×10^7 /mL. MRC 5 suspension cells have been carried for more than 2 years in MIMOSA medium with no loss of viability.

MIMOSA medium is easy-to-use and suitable for suspension cultures. It requires only minimal or no adaptation from serum-containing media.

APPLICATION

MIMOSA medium is dedicated to maximal production of wide range of viruses, e.g. adeno virus, lenti virus, influenza virus.

MEDIUM SPECIFICATION

Name	MIMOSA
Regulatory	Serum-free, animal component free, hydrolysate free, antibiotic free
Available Form	Liquid
Cell Line	MRC 5 suspension cells
Storage Condition	2-8 °C, protect from light
Application	For research and manufacturing

MIMOSA PERFORMANCE

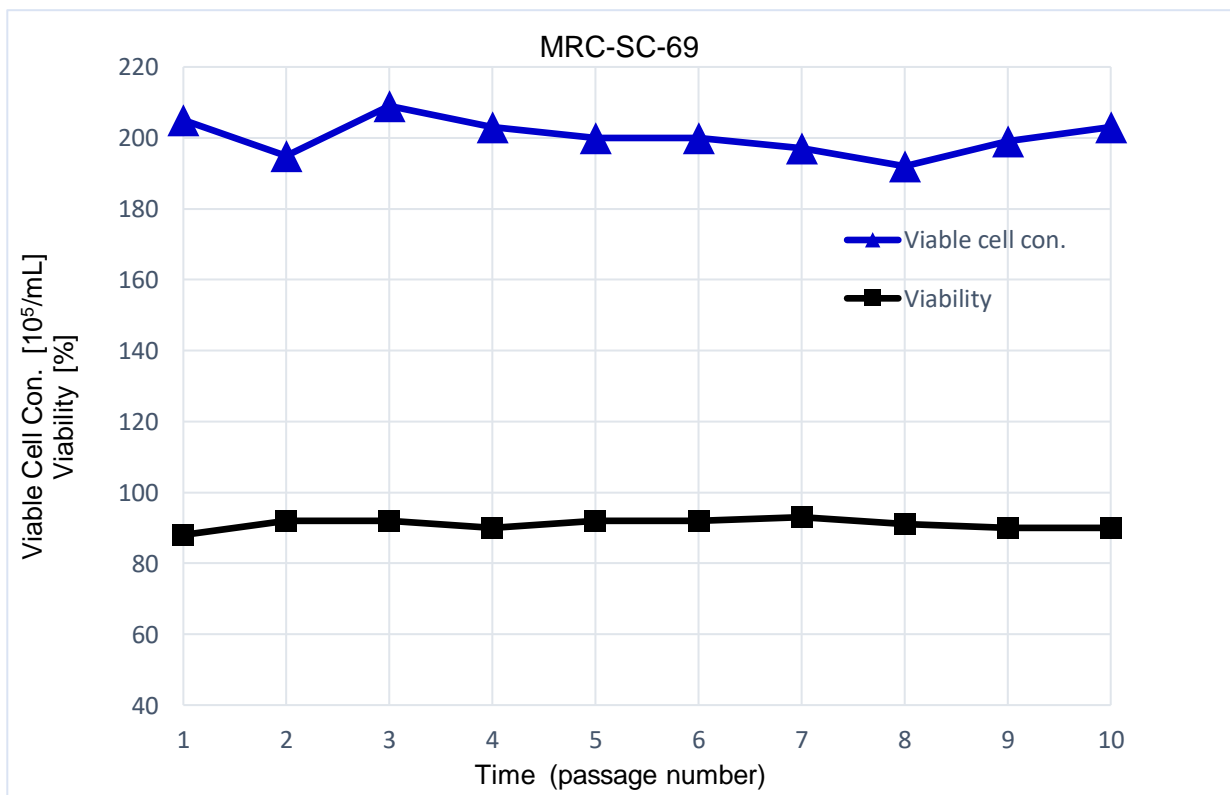


Figure 1: MRC 5 suspension cells are cultured in stock culture (shake flask) in MIMOSA culture medium for 10 passages. Inoculation cell concentration was kept by 3x10⁵/mL. Cells were split every 3rd day.

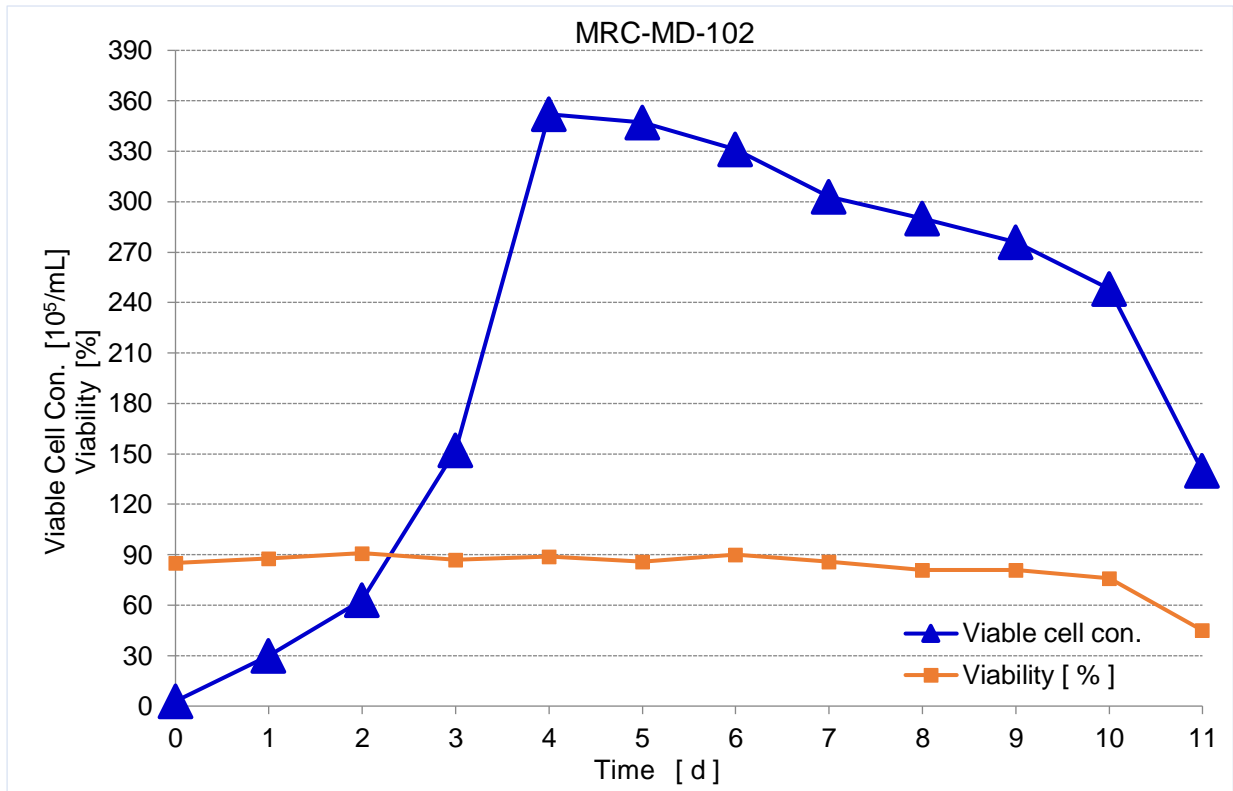


Figure 2: Cell growth performance of MRC 5 suspension cells in MIMOSA culture medium with combination of MIMOSA Feeds medium for 10 days as fed-batch experiment. Viability was kept above 70% for 10 days. Cells reached peak cell concentration of 3.5×10^7 /mL at day 4.

ORDERING INFORMATION

Name	Application	Formulation	Volume	Catalogue number
MIMOSA	Culture medium	Liquid	1 L	MMS46-L1
MIMOSA	Culture medium	Liquid	0,5 L	MMS46-L05
MIMOSA FEED A	Feed A medium	Liquid	0,5 L	MFA77-L05
MIMOSA FEED B	Feed B medium	Liquid	0,1 L	MFB24-L01

Custom made media are possible.

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