

Serum-Free Medium for Animal Cell Culturing

ASF Medium 104N



Medium for Pharmaceutical Manufacturing and Animal Cell Culturing

ASF Medium 104N is a serum-free medium which shows notable proliferation and high productivity for various cell types. Since contamination with substances derived from living animals can be avoided, ASF Medium 104N is compatible as culture medium for pharmaceutical manufacturing.

Features and Advantages

■ Serum-free medium without animal components

ASF Medium 104N sustains the high matter productivity of conventional ASF Medium 104 and contains no animal origin components. It can be used as culture medium for pharmaceutical manufacturing.

■ Notable proliferations for hybridoma, CHO cells, etc.

ASF Medium 104N provides favorable proliferation comparable to serum medium, for hybridoma and CHO cells that are often used in pharmaceutical manufacturing.

■ High productivity of antibodies for hybridoma, CHO cells, etc.

ASF Medium 104N can indicate high productivity, especially monoclonal antibody production, in every scale cell culture from flask cell cultures to continuous mass-production cell cultures.

■ Easy purification of culture products due to known medium components

ASF Medium 104N, which is a mixture of known components only, enables easy isolation and purification of biologically active substances that are produced in culture solution - unlike serum medium with unknown components mixed.

■ Autoclavable

ASF Medium 104N can be heat sterilized by autoclave during preparation.

* This product includes three components: base, buffer and additive. The base and buffer are autoclavable. The additive is pre-sterilized.

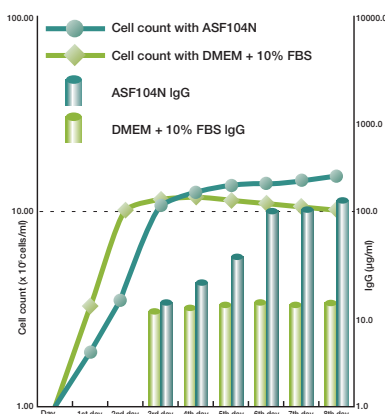
■ Minimal lot variation

The product is manufactured under strict quality control, guaranteeing consistent quality among different lots. It is available for heavy demand in applications such as pharmaceutical manufacturing.



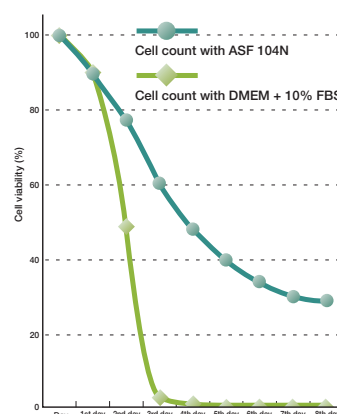
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SJK hybridoma cell proliferation and mouse IgG production using ASF Medium 104N

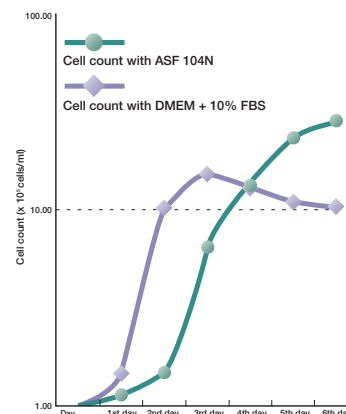


With ASF Medium 104N, notable cell proliferation and antibody production were identified compared to the DMF medium to which 10% FBS was added.

Viability of SJK hybridoma cells using ASF Medium 104N



Proliferation of CHO cells using ASF Medium 104N



With ASF Medium 104N, notable cell proliferation was identified compared to the HAM12 medium to which 10% FBS was added.

Product Lineup for ASF Medium 104N

2 L	Powder Medium Base (13.8 g x 2 pcs) / Bu er (4.5 g x 2 pcs) / Additive (freeze-dried vial: 0.54 g x 2 pcs)
10 L	Powder Medium Base (138 g) / Bu er (45 g) / Additive (freeze-dried vial: 0.54 g x 10 pcs)

Related Products - ASF Medium 104

Serum-free medium for albumin-free type hybridoma cell and RITC578A animal cell culturing

Protein Composition

- ◆ Transferrin (Human) 5 mg/mL
- ◆ Insulin (Bovine) 5 mg/mL

Cell Culture Examples

- ◆ Human : K562, BALL-1
- ◆ Hybridoma : SS-1 (P3U1), 10H (Ag8-653), 16-8 (NS-1)
- ◆ Mouse : X5563, FM3A, Friend, P37388D1, L929
- ◆ Other : CHO, MDCK

Ordering information

Applications: Culturing of suspension cells (hybridoma and CHO, etc.)

Description	Features	Cat. No.	Quantity
ASF Medium104N	Contains no animal components (Intended for pharmaceutical manufacturing)	AJI-104N-EX	2 L 10 L
ASF Medium104	Contains no albumin (Intended for cell proliferation)	AJI-104-EX	2 L 10 L

Storage and Shipping Temperature: 4



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