

CHOin1™

**Serum Free CHO Medium,
Chemically defined, Animal component free
Without L-Glutamine, Pluronic F-68® and Sodium bicarbonate**

Product Code: SFM042AP

Product description:

Serum free media are designed to grow a specific cell type or perform a specific application in absence of serum. Unlike serum supplemented media which may be utilized for a broad range of cell types and culture conditions, serum free media are specific.

SFM042AP is a animal component-free and chemically defined serum-free CHO medium devoid of L-glutamine, Pluronic F-68® and sodium bicarbonate.

Directions:

Preparation of medium:

1. Suspend 27 gms of medium in 900ml tissue culture grade water with constant stirring until powder is completely dissolved. Do not heat the water.
2. Add 1.8 gms of sodium bicarbonate powder (TC230) or 23.96 ml of 7.5% sodium bicarbonate solution (TCL013) and 1 gm of Pluronic F-68® for 1 litre of medium and stir until dissolved.
3. Adjust the pH to 0.2 - 0.3 units below the desired pH using 1N HCl or 1N NaOH since pH tends to rise during filtration.
4. Make up the volume to 1000ml with tissue culture grade water.
5. Sterilize the medium immediately by filtering through a sterile membrane filter with a porosity of 0.22 micron or less, using a positive pressure rather than vacuum to minimize the loss of carbon dioxide.

Note : Refer annexure for adaptation procedure

Material required but not provided:

L-Glutamine 200mM Solution (TCL012)
HT Medium Supplement 50X liquid (TCL073)
Trypsin –EDTA solution 1X (TCL007)
Trypsin Inhibitor from Soyabean 1X (TCL068)

Quality control:

Appearance

Yellow white to deep yellow, powder

Solubility

Clear solution at 27gms/L

pH with sodium bicarbonate

5.8-6.4

Osmolality with sodium bicarbonate(mOsm/KgH₂O)

255-305

Viable Microbe count (TAMC)

NMT 100cfu/g

Viable Microbe count (TYMC)

NMT 20 cfu/g

Cultural Response

NLT 3x10⁶ cells/ml on day 4

Endotoxin content

Less than 1EU/ml

Storage and shelf life:

Store medium at 2-8°C away from bright light.
Use before expiry date given on the product label.

Disclaimer

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