Neo Vero, Chemically Defined Medium, w/o L-Glutamine, w/o Phenol Red

#Cat: NB-58-0115 Size: 100ml

General Information

Neo Vero is a chemically defined medium that promotes the growth of Vero cells for the production of viruses or recombinant proteins. Furthermore, Neo Vero is serum-free and animal/human origin-free.

Applications

- Flow Cytometry Analysis
- Cell counting
- Separation of cell aggregates
- Dissociation of cell pellets
- Suitable for suspension cells such as Hybridoma, CHO, BHK and Sf9

Product Specifications

Appearance	Clear, pale red solution
Specifications	• Chemically Defined • Serum-Free • Animal Origin-Free • Human Origin-Free
Storage and shelf life	Store at +2°C to +8°C protected from light. Once opened, store at +4° C and use within 6-8 weeks.
Shipping conditions	Ambient
Concentration	1 X
Buffer system	$NaHCO_3$ (2.2 g/L) for 5% CO_2 Atmosphere
Formulated with	• Epidermal Growth Factor (EGF), recombinant • Insulin, recombinant • Sodium Pyruvate • Hypoxanthine • Thymidine

Composition

For a greater stability and extended shelf life the medium is formulated without L-Glutamine. Antibiotics are not recommended; however, 10 ml/L of Antibiotic-Antimycotic (100X) containing penicillin, streptomycin, and amphotericin B may be used if required.

Instructions for Use

Adaptation:

For cells grown in serum supplemented medium or other serum-free medium little or no adaptation is needed and may be directly transferred to Neo Vero. It is advisable to keep a backup culture in the original media until cells have adapted. If suboptimal growth is observed after direct adaptation for 3–5 passages use the sequential adaptation method.

Sequential adaptation:

1. Subculture cells into a 25:75 ratio of supplemented Neo Vero to the original media. During the adaptation procedure seed at twice the normal seeding density (2–8 × 104 viable cells/cm2).
2. Subculture cells when confluency reaches 70–90%. Subculture the cells in fresh pre-warmed 25:75 ratio of supplemented Neo Vero to the original media. Once consistent cell growth with high viability has been achieved, passage cells into a 50:50 ratio of supplemented Neo Vero to original medium.
3. Repeat step 2 of this procedure, stepwise increasing the ratio of Neo Vero to original medium (75:25 followed by 90:10) until the cells are subcultured into 100% Neo Vero. Multiple passages at each step may be needed.
4. Continue to monitor and passage cells until consistent growth with high viability is achieved. After several passages in 100% Neo Vero, the culture is considered to be adapted.

Precautions and Disclaimer

This product is for research use and further manufacturing only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Help Needed?

If you have any further questions regarding this product, please do not hesitate to contact our cell culture experts by email (info@neo-biotech.com) or phone (+33 9 77 40 09 09).