Product Information

VeroVax
Serum-Free Medium for Cultivation of Vero Cells and Production of Virus and Recombinant Proteins
Sterile-filtered; w/o L-Glutamine
Cat. No. VEV-500ML (500 ml)

General Information

VeroVax was especially designed for the cultivation of Vero cells. VeroVax is a serum-free and furthermore animal and human origin-free medium. The medium promotes the growth of Vero cells and the production of viruses or recombinant proteins.

Product Specifications

Appearance	Clear Red Solution
Specifications	• 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	• NaHCO3 (2.2 g/L) for 5% CO2 Atmosphere • HEPES
Formulated with	• Soy Hydrolysate • Yeast Extract • NAD/NADP • FAD • Sodium Pyruvate • Phenol Red • Polysorbate 80 • Recombinant Insulin • Nucleosides • Hypoxanthine • Thymidine

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 (100 X) 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 VeroVax. 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 VeroVax to the original media. During the adaptation procedure seed at twice the normal seeding density (2–8 × 10^4 viable cells/cm^2).

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2. Subculture cells when confluency reaches 70–90%. Subculture the cells in fresh pre-warmed 25:75 ratio of supplemented VeroVax to the original media. Once consistent cell growth with high viability has been achieved, passage cells into a 50:50 ratio of supplemented VeroVax to original medium.
3. Repeat step 2 of this procedure, stepwise increasing the ratio of VeroVax to original medium (75:25 followed by 90:10) until the cells are subcultured into 100% VeroVax. 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% VeroVax, the culture is considered to be adapted.

Precautions and Disclaimer

This product is for research use 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 (techservice@capricorn-scientific.com) or phone (+49 6424 944640).