

Product Information

VeroPrime
Chemically Defined Medium, w/o L-Glutamine, sterile-filtered
Cat. No.: VEP-500ML

General Information

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

Additives	Sodium pyruvate
Appearance	Clear red solution
Buffer	NaHCO ₃ (2.2 g/L) for 5% CO ₂ atmosphere
Concentration	1 x
Formulated with	- Epidermal Growth Factor (EGF), recombinant - Insulin, recombinant
Glutamine	No glutamine
pH Indicator	Phenol red
Shipping Conditions	Ambient
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 +2°C to +8°C and use within 6-8 weeks.
Supplements	- 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 Solution (100x) containing penicillin, streptomycin, and amphotericin B may be used when required.

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 VeroPrime. 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 VeroPrime to the original media. During the adaptation procedure seed at twice the normal seeding density ($2-8 \times 10^4$ viable cells/cm²).
2. Subculture cells when confluency reaches 70–90%. Subculture the cells in fresh pre-warmed 25:75 ratio of supplemented VeroPrime to the original media. Once consistent cell growth with high viability has been achieved, passage cells into a 50:50 ratio of supplemented VeroPrime to original medium.

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3. Repeat step 2 of this procedure, stepwise increasing the ratio of VeroPrime to original medium (75:25 followed by 90:10) until the cells are subcultured into 100% VeroPrime. 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% VeroPrime, the culture is considered to be adapted.

Precautions and Disclaimer

This product is for research use and further manufacturing only.

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).