

## 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.

### Product Specifications

Appearance	Clear Red Solution
Specifications	<ul style="list-style-type: none"> <li>Chemically Defined</li> <li>Serum-Free</li> <li>Animal Origin-Free</li> <li>Human Origin-Free</li> </ul>
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 <sub>3</sub> (2.2 g/L) for 5% CO <sub>2</sub> Atmosphere
Formulated with	<ul style="list-style-type: none"> <li>Epidermal Growth Factor (EGF), recombinant</li> <li>Insulin, recombinant</li> <li>Sodium Pyruvate</li> <li>Phenol Red</li> <li>Hypoxanthine</li> <li>Thymidine</li> </ul>

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 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:

- 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/cm<sup>2</sup>).
- 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.
- 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.
- 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.

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## Precautions and Disclaimer

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

## Help Needed?

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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](mailto:techservice@capricorn-scientific.com)) or phone (+49 6424 944640).