

ProVero™ 1 Instructions for use

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I. Introduction

ProVero™ 1 is a non-animal origin medium designed to support the growth of MDCK and Vero cell lines.

The use of ProVero™ 1 Medium significantly simplifies down-stream processing since all proteins present in the culture supernatant are produced by the cell due to the low protein medium formulation.

ProVero™ 1 contains Hepes and NaHCO₃ as buffering systems and phenol red as pH indicator. It comes supplemented with L-glutamine (3 mM).

ProVero™ 1 is available in a ready-to-use liquid formulation.

For answers to frequently asked questions and citations regarding these products, please visit our knowledge center: <https://knowledge.lonza.com>

II. Instruction for use

ProVero™ 1 is ready to use for MDCK cultures. For Vero cultures, ProVero™ 1 must be supplemented with 5.0 µg/L EGF. Cultures should be carried out at 37°C. Due of the presence of Hepes in the media, CO₂ is not required; however a 5% CO₂ atmosphere can be used if desired.

Although cells generally do not require a true adaptation protocol with sequential decrease in fetal bovine serum, an adaptation to the medium might be necessary. For MDCK cultures serum free

adaptation may be needed depending on clone used.

Generally, a minimal culture period of ten weeks (20 passages) is necessary for cells to reach an acceptable doubling time (~30 hours). Additional passages may be necessary to reach doubling time values similar to those in FBS-supplemented medium.

In cases where a classical weaning (with progressive FBS concentration decrease) is necessary, a protocol is available at <https://bioscience.lonza.com>.

III. Storage

ProVero™ 1 should be stored at 2 - 8°C in the dark.

IV. Ordering information

Cat. no.	Product	Size
BEBP12-030Q	ProVero™ 1 with L-glutamine and phenol red	1 L

Related products

Cat. no.	Product	Size
BEBP12-749Q	UltraMDCK™ Medium	1 L
BP12-769E	ProFreeze™ (2X) Freeze Medium	100 mL

Product use statement

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