

BHK Cell and Virus Propagation Medium

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Protocol ID: BUF-BHK-PROP-001

Version: v1.0

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Purpose

This medium is used for propagation of BHK-21 cells and for LCMV production workflows.

Components (Final Volume: 500 mL)

Component	Amount
DMEM, high glucose	500 mL
200 mM L-glutamine	10 mL
Heat-inactivated FBS (56°C, 30 min)	50 mL (10%)
Tryptose phosphate broth	25 mL (5%)
Pen/Strep (10,000 U/mL penicillin G, 10,000 µg/mL streptomycin)	5 mL

Preparation

1. Add DMEM to a sterile bottle.
2. Add 200 mM glutamine, FBS, tryptose phosphate broth, and Pen/Strep.
3. Mix gently by inversion.
4. Store at 4°C for up to 4 weeks.

Notes

- Do not filter-sterilize after adding FBS; use sterile technique during assembly.
- Warm medium to 37°C before use.

Version history

Version	Date	Author	Changes
v1.0	2025-12-01	Dillon Corvino	Initial Quarto buffer document