



# Human herpesvirus 5

VR-3348™

## Description

Human herpesvirus 5 strain UL32-EGFP-HCMV-TB40 is propagated in MRC-5 cells (ATCC CCL-171). This strain was sourced from the in vitro recombination of HCMV strain TB40 with a plasmid carrying the TB40 UL32 gene fused to GFP. Because GFP is associated with a structural protein, virus particles fluoresce green under appropriate illumination; this is useful for following intracellular traffic of virus particles.

**Strain designation:** UL32-EGFP-HCMV-TB40

**Common name:** Cytomegalovirus

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -70°C or colder

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## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

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## BSL 2

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Growth Conditions

**Host:** MRC-5 (ATCC CCL-171)

**Effects:** CPE; cell rounding; cell enlargement

**Complete medium:** EMEM (ATCC 30-2003) supplemented with 2% FBS (ATCC 30-2020)

**Temperature:** 37°C

**Recommendations for infection:** Plate cells 24-48 hours prior to infection and infect when cultures are 80-90% confluent. Remove medium and inoculate with a small volume of virus (eg, 1 mL per 25 cm<sup>2</sup>) diluted to provide an optimal MOI (eg, 0.1 to 1.0). Adsorb 1-2 hours at 37°C in a humidified 5% CO<sub>2</sub> atmosphere. End adsorption by adding virus growth medium.

**Incubation:** 7-21 days at 37°C in a humidified 5% CO<sub>2</sub> atmosphere, until CPE is progressed through 80% of the monolayer.

## Notes

Recombinant HCMV virus with GFP fused to the C terminus of the tegument phosphoprotein pp150, the product of the UL32 gene. Because GFP is associated with a structural protein, virus particles fluoresce green under appropriate illumination.

Useful for following intracellular traffic of virus particles.

**Key Abbreviations:** °C, Degrees Celsius; CO<sub>2</sub>, Carbon dioxide; EMEM, Eagle's Minimum Essential Medium; FBS, Fetal bovine serum; MOI, Multiplicity of infection

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human herpesvirus 5 (ATCC VR-3348)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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Product Sheet

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## Revision

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