



# *Chlamydia muridarum* Everett et al.

VR-123™

## Description

*Chlamydia muridarum* strain Nigg II is propagated in McCoy [McCoy B] cells (ATCC CRL-1696). This bacterial strain was isolated from normal mice and has applications in respiratory disease research.

**Strain designation:** Mouse Pneumonitis strain Nigg II

**Deposited As:** *Chlamydia trachomatis* (Busacca) Rake

**Type strain:** Yes

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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:** McCoy [McCoy B] (ATCC CRL-1696)

**Effects:** CPE; cytoplasmic inclusions

**Temperature:** 36°C

**Recommendations for infection:** 72 hours at 36°C in McCoy cells (ATCC CRL-1696).

Add glassbeads and vortex preparation to disrupt cells. Infect monolayer with disrupted material. Centrifuge at 2,000 - 2,400 x g) for 1 hour. Feed with fresh growth medium containing 1-2 µg/mL cycloheximide. Incubate at 36°C for 72 hours.

**Incubation:** 72 hours

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## Handling Procedures

**Mycoplasma contamination:** Detected

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## Notes

Although this agent is not known to be pathogenic for humans, it should be handled with care. This holding has tested positive for Mycoplasma contamination. Mice receiving 1:100 dilution i.n. of infected y.s. occasionally develop pneumonia and die. The Nigg II strain was first deposited by F.B. Gordon as yolk-sac adapted material. It was subsequently redeposited as tissue culture adapted material by J. Schachter. Next-generation sequencing (NGS) at ATCC on the McCoy cell line (ATCC CRL-1696) used as the host has shown the presence of Mus Musculus mobilized endogenous polytropic provirus and Murine leukemia virus.

**Key Abbreviations:** i.n., Intranasal; M, Mouse; TC, Tissue culture; TCID<sub>50</sub>, Median tissue culture infective dose; y.s., Yolk sac; CE, Chicken embryo

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: *Chlamydia muridarum* Everett et al. (ATCC VR-123)

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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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