



# Murine adenovirus 1

VR-550™

## Description

Murine adenovirus 1 strain FL is propagated in BALB/3T3 clone A31 cells (ATCC CCL-163). This strain was isolated from the spleen pool of mice infected with the Friend leukemia virus. The strain has applications in immune system disorder research.

**Strain designation:** FL

**Deposited As:** Mouse adenovirus

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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

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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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:** BALB/3T3 clone A31 (ATCC CCL-163)

**Effects:** cell rounding; cell sloughing; CPE

**Complete medium:**

EMEM (ATCC 30-2003) + 2% FBS (ATCC 30-2020)

**Temperature:** 37°C

**Atmosphere:** 95% Air, 5% CO<sub>2</sub>

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

**Incubation:** Incubate infected culture for 3 days at 37°C in a humidified 5% CO<sub>2</sub> atmosphere, until CPE are well advance throughout culture.

## Handling Procedures

**Mycoplasma contamination:** Not detected

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## Notes

Deposited as Mouse adenovirus. Cross reactivity by CF with human adenoviruses demonstrable with guinea pig immune sera.

**Key Abbreviations:** °C, Degrees Celsius; CF, Complement fixation; CO<sub>2</sub>, Carbon dioxide; CPE, Cytopathic effect; 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: Murine adenovirus 1 (ATCC VR-550)

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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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