# Resource Summary Report

Generated by NIF on May 15, 2025

## OHSU Molecular Virology Support Core

RRID:SCR_012730
Type: Tool

### Proper Citation

OHSU Molecular Virology Support Core (RRID:SCR_012730)

### Resource Information

**URL:** http://www.ohsu.edu/xd/research/centers-institutes/onprc/research-services/research-support/virology.cfm

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**Description:** THIS RESOURCE IS NO LONGER IN SERVICE. Documented on December 5, 2022. Core facility that provides the following services: DNA isolation service, RNA isolation service, Cloning and endotoxin-free plasmid preparation service, Virus plaque assay, SIV p27 protein ELISA, HIV p24 protein ELISA with sample prep, Real time PCR titer of lentivirus prep with sample prep, Coculture of animal tissues/fluids service, Virus plaque purification service, Virus growth curve service, Protein determination, Bradford method, Crude viral DNA prep service, Gradient purified viral DNA prep service, Southern blot for viral DNA, Viral Real-time PCR, RhCMV Real-time PCR, HSV 1/2 B virus antibody ELISA, single dilution service, RhRRV antibody ELISA, single dilution, RhSFV antibody ELISA, single dilution, SIV antibody ELISA, single dilution, Virus antibody ELISA, RhCMV antibody ELISA, Virus neutralization service, Polyclonal IgG preparation, SIV in vitro susceptibility, p27 ELISA, Vaccinia (MVA) virus plaque assays, Antiviral antibody determination by ELISA, SIV in vitro infectivity (leukocytes) service, Viral load quantification with qPCR, Virus detection using nested PCR, Virus stock production, Cytomegalovirus plaque assays and purification, Cytomegalovirus stock and vector production, Western blot service for viral protein, Cell sample processing and banking, Nucleic acid isolation and purification service, Virus cloning and plasmid preparation service, Vaccinia (MVA) virus stock and vector production. The Core""s overall goal is to advance the efforts of the Oregon National Primate Research Center (ONPRC), the Vaccine and Gene Therapy Institute (VGTI), and collaborative research programs focused on nonhuman primate (NHP) infectious disease models and those using viral vectors as tools to modify genes or deliver macromolecules through provision of expertise, reagents, standardized assays, and training in the use of infectious viral agents in their research programs. The MVSC provides specialized expertise and infrastructure in five essential areas: * Virus identification and quantification in clinical

specimens * Production of virus stocks, virus vectors, and viral antigen preparations * Serologic assays to assess host antiviral immune responses * Maintenance of cell stocks and sample processing * Development of new reagents and standardized assays The MVSC has considerable experience and expertise in both viral diagnostics and production, particularly for AIDS and CMV pathogenesis and vaccine studies, and in adenoviral vector production.

**Abbreviations:** OHSU MVSC

**Synonyms:** Oregon Health & Science University Molecular Virology Support Core, Oregon Health and Science University Molecular Virology Support Core, Oregon Health & Science University Molecular Virology Support Core (MVSC), OHSU Molecular Virology Support Core (MVSC)

**Resource Type:** service resource, core facility, access service resource

**Keywords:** dna extraction, rna extraction, recombinant plasmid cloning, virus plaque assay, elisa, polymerase chain reaction, tissue co-culturing, virus plaque purification, protein quantitation assay, viral dna extraction, southern blot analysis, real-time pcr, virus neutralization, polyclonal antibody production, in vitro pathogenesis assay, nested polymerase chain reaction, lentivirus production, virus production, western blot analysis, maintaining cell culture, dna purification, plasmid construction, plasmid purification, virology

**Funding:**

**Availability:** THIS RESOURCE IS NO LONGER IN SERVICE

**Resource Name:** OHSU Molecular Virology Support Core

**Resource ID:** SCR_012730

**Alternate IDs:** SciEx_9021

**Record Creation Time:** 20220129T080312+0000

**Record Last Update:** 20250514T061620+0000

## Ratings and Alerts

No rating or validation information has been found for OHSU Molecular Virology Support Core.

No alerts have been found for OHSU Molecular Virology Support Core.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF.

Nichol H, et al. (2018) Electrophysiological and Morphological Characterization of Chrna2 Cells in the Subiculum and CA1 of the Hippocampus: An Optogenetic Investigation. Frontiers in cellular neuroscience, 12, 32.