

Why partner with us?

10+ years supplying inputs for bioassays in Phase 2 & 3 clinical trials

- ✓ Custom Viral Particles
- ✓ Live Virus Stock Production
- ✓ Assays for Discovery

Your samples deserve a partner, not a vendor

- Personalized support and communication
- Expert team: 50% have advanced degrees
- Simplified sourcing of reagents & controls

"Integral was fantastic to work with and took the time to learn about our needs and provide a tailored solution."

—Macrotope CSO

About us

The leader in viral particle solutions

Your trusted partner since 2001

Services & reagents for 10+ viral families, including:

- Coronavirus
- Influenza A & B
- Flavivirus
- Filovirus
- Alphavirus
- Arenavirus
- Henipavirus
- Lyssavirus
- Retrovirus
- Bunyavirus



Quality is our mission

Catalog reagents backed by ISO-9001 QMS



sanofi

ppd



Trusted by 100+ labs for R&D and clinical trials

Located in Philadelphia, PA



virology.integralmolecular.com

Virology at
integral
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Custom Services by Integral Molecular

Your partner in virology

- ✓ Custom viral particles
- ✓ Live virus stock production
- ✓ Assay development services

Custom Particle Solutions

Built for Complex Challenges

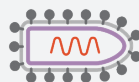
- ✓ Molecular virology experts for particle design
- ✓ New strains as fast as 4 weeks
- ✓ Modular platforms for maximum flexibility
- ✓ Ready-to-use viral particles with protocols

Reporter Virus Particles

3 core systems, modular surface proteins



Pseudoviruses with a lentivirus core



Pseudoviruses with a VSV core



Flavivirus core particles

We've produced over 100 strains for 10+ viral families

Scalability for Large Projects

- ✓ 5+ L scalability for RVPs, supporting large assay campaigns
- ✓ Proven multi-site reproducibility

Readouts to Fit Your Needs

- GFP & BFP
- Firefly & Renilla luciferase
- mCherry
- dsRed

Assay Development

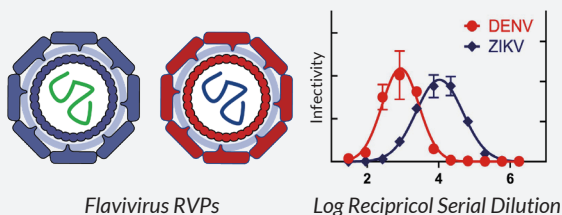
From Reagent to Readout, One Team

Just bring your samples — we develop the particles and the assay with one team for seamless, easy communication

Applications

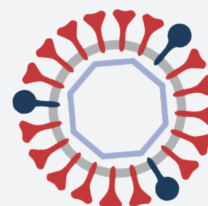
De-risk with Dengue ADE Assays

- Published in vitro DENV ADE; used to generate exploratory endpoint for EMA submission
- Patented flavivirus RVP technology



Influenza Assays for Biologics

- Specializing in microneutralization for antibody and antigen discovery
- Non-replicative options for HPAI
- ELLA assays including NA-only viral particles



Live Virus at BSL-2

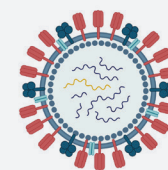
Consistent Performance, High Titers

Dengue Virus Stocks

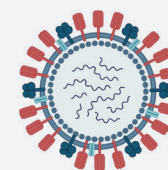
- In-house seed stock for all four serotypes
 - ✓ DENV1 WestPac74
 - ✓ DENV2 S16803
 - ✓ DENV3 CH53489
 - ✓ DENV4 TVP360
- Propagate your unique stocks
- NGS sequencing available

Influenza Virus Stocks

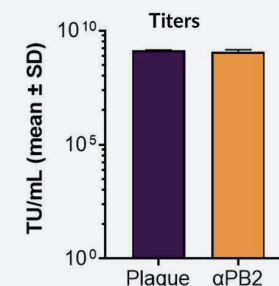
Naturally occurring BSL-2 strains



Plasmid-Launched



Cultured Virus Stock



Live Virus Assay Services

PRNT | MNT | ADE | HAI | NAI | FFA | Custom
Assay development at BSL-2