

DATA SHEET

Virology & Cell Biology Analytical Services



AVAILABLE AT:



www.breakthroughmedicines.com
www.skpharmteco.com

CURRENT OFFERINGS

- Multiple validated safety assays are available from the Virology team within Testing and Analytical Services:
 - Replication Competent Adenovirus (RCA)** - (validated in roller bottles (2L) and T150 flask formats)
 - Replication Competent Adeno-associated Virus (rcAAV)** - (validated in AAV2)
 - In vitro adventitious agents' test** for MRC-5, Vero, Hek-293, HeLa. Additional cell lines are available for release testing
- Additional services:
 - Preparation of QC viral banks** (non-production) that is GMP-ready for most viral banks from 10-1000+ vials
 - TCID50 infectivity assays** are GMP available with cytopathogenic effect (CPE), customizable ddPCR endpoints, and other techniques (e.g., AAV, adenovirus, lentivirus)

KEY DIFFERENTIATORS

- Method development, qualification, & validation
- Full customization available for most assays
- Expertise: over 75+ collective years of experience in the field
- Frequent communication during testing, updates provided regularly
- Expedited turn around times are available



STATE-OF-THE-ART EQUIPMENT

Type	Manufacturer	Model
Imaging multimode reader	Agilent	BioTekCytation 5
Imaging multimode reader	Agilent	Biotek Cytation 7
Digital PCR	Qiagen	QIAcuity 8
Digital Droplet PCR system	BIO-RAD	QX One
Digital Droplet PCR system	BIO-RAD	QX200
UV5 Nano	Mettler Toledo	UV5 Nano
UV Nano Drop	Thermo	UV Nanodrop One
Qubit Fluorometer	Thermo	4
QuantStudio qPCR	Thermo	QuantStudio 5
Applied BioSystems qPCR	Thermo	ABI 7500
Imaging System	BIO-RAD	ChemiDoc MP
NucleoCounter	chemometec	NC-200, NC202
PCR Machine	BIO-RAD	C1000
Microscope	Olympus	BX53
Multi-Mode Microplate Reader	Molecular Devices	SpectraMax i3x
Automated Extraction Instrument	Thermo	King Fisher Flex
DNA Extraction System	AB	Automate Express
Liquid Handling System	Integra	ViaFlo
Flow Cytometry System	BD	FACSLyric
Flow Cytometry System	Miltenyi BioTec	MACSQuant16
Flow Cytometry System	Thermo	Attune CytPix
Western Blot System	BD	TransBlot Turo
Protein Gel System	BD	Mini Protean Tetra System
Automate Western System	ProteinSimple	Jess