

Quality.

Trust ours to enable yours.



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approved CAR-T and
gene therapies use our
technologies for
product lot release



Trust your gene therapy and vaccine development to the highest quality analytics.

Our product line continues to grow to serve your needs as you develop critical cell and gene therapies and vaccines. We know you need to scale up and quality control quickly and efficiently with the highest level of confidence.

- Host cell protein (HCP) ELISA Kits for viral vector and vaccine manufacturing and QC:
HEK293 • Sf9 • BHK • HeLa • A549 • MRC5
PER.C6® • PG13 • CAP® • Vero • MDCK
- Process-Related Impurity ELISA Kits:
EndonucleaseGTP® • BSA • HSA • Human Transferrin
AVIPure®—AAV2, AAV8, AAV9 Ligands, IsoTag™ AAV, LV
Residual Reagents
- Host Cell DNA Extraction and Human Host Cell DNA
Detection and Quantification Kits
- Viral Clearance Kits

Cygnus Custom Development Services ease the burden to your staff for process-specific assay development and advanced AAE-MS™ orthogonal testing. We work side by side with you to ensure your development goes smoothly.



Learn more at:
cygnusgtp.com/ad

Success at every stage.



CYGNUS
TECHNOLOGIES

part of Maravai LifeSciences

Cygnus Industry-leading HCP ELISA and Other Process Impurity Kits

Selected specifications and ordering information

HCP ELISA Kits				
Cell Line	Item Number	Sensitivity, LOD	Sensitivity, LLOQ	Recommended Sample Diluent
HEK 293	F650S	~0.35 ng/mL	~2.0 ng/mL	I700
Sf9	F1040	0.3 ng/mL	~ 3 ng/mL	I094
HeLa	F810	0.5 ng/mL	2 ng/mL	I094
Per.C6	F1055	~1.2 ng/mL	~5 ng/mL	I028
PG13	F995	~0.4 ng/mL	~ 3 ng/mL	I028
Vero	F975	~1.4 ng/mL	~ 3 ng/mL	I028
BHK	F510	0.4 ng/mL	1 ng/mL	I028
A549	F230	0.5 ng/mL	1.6 ng/mL	F223A
MRC5	F300	~1.8 ng/mL	~5 ng/mL	I028
CAP	F820	~0.9 ng/ml	~1,5 ng/ml	I094

Process-Related Impurity ELISA Kits				
Impurity Type	Item Number	Sensitivity, LOD	Sensitivity, LLOQ	Recommended Sample Diluent
Bovine Serum Albumin (BSA)	F030	~125 pg/mL	~250 pg/mL	F031A
Human Serum Albumin (HSA)	F055	~0.15 ng/mL	~0.28 ng/mL	I028
Bovine Transferrin	F120	~200 pg/mL	~250 pg/mL	F031A
Human Transferrin	F035N	~50 pg/mL	~125 pg/mL	I028
EndonucleaseGTP®	F960	~0.06 ng/mL	~0.31 ng/mL	I600

Residual Chromatography Resin Leachate ELISA Kits				
Leachate/Ligand Type	Item Number	Sensitivity, LOD	Sensitivity, LLOQ	Recommended Sample Diluent
Avitide AVIPure® — AAV2	F1000	~0.02 ng/mL	~0.16 ng/mL	I028
Avitide AVIPure® — AAV9	F970	~260 pg/mL	800 pg/mL	I300
Avitide AVIPure® — AAV8	F1005	~0.06 ng/mL	~0.5 ng/mL	I028
IsoTag™ AAV Reagent	F1035	~0.08 ng/mL	~0.16 ng/mL	I028
IsoTag™ LV Reagent	F1070	~0.01 ng/mL	~0.16 ng/mL	I600

Human Host Cell DNA Kits				
DNA Kit	Item Number	Sensitivity, LOD	Sensitivity, LLOQ	Detection Method
Human Host Cell DNA Detection Kit in Tubes	D160T	NA	1 pg/μL	PicoGreen®
Human Host Cell DNA Detection Kit in Wells	D160W	NA	500 fg/μL	PicoGreen®
Human AccuRes™ Quantitative DNA Kit	D1165	3 fg/μL	30 fg/μL	Probe-based qPCR

Custom Development Services:

- Antibody coverage analysis by Antibody Affinity Extraction (AAE™) with 2D-PAGE/Silver Stain
- Antibody coverage analysis by AAE-MS™
- Assay qualification
- Process-specific HCP antibody and assay development



**Connect with Cygnus experts today
to discuss your project.**

