Summary of capabilities

Lexington, Massachusetts

Facility facts:

Workforce: 320

Contact Info: 45 Hartwell Ave
Lexington, Massachusetts 02421
Tel: 781-266-0200

Unique offering:

63,000-square-foot facility with robust manufacturing capacity in support of high demand for gene therapy products.

Specialized capabilities:

- Process characterization and qualification
- Analytical method validation
- Pivotal and commercial viral vector supply
- State-of-the-art commercial aseptic fill and finish
- Experienced in viral vector manufacturing for cell and gene therapies
- State-of-the-art commercial aseptic fill and finish
- AAV, AdV, RV, HSV, and LV
- Broad array of manufacturing platforms
  - Suspension: Commercial, up to 1,000L scale
  - Adherent: 48HS36 iCELLis® 500

Viral vector services capabilities overview:

Facility offering	Specifications
GMP Manufacturing	• Eight drug substance suites and one drug product suite • GMP manufacturing support area • Client reserved capacity • Flexible facility design with all viral suites capable of supporting a range of different technologies including iCELLis® 500, cell factories (flat stock), and up to 1000L stirred-tank bioreactors • Single-pass air HVAC in manufacturing suites
Laboratory Space	• QC labs – micro, in-process, release • Manufacturing sciences lab for process establishment
Warehouse Space	• Short-term GMP storage space

ADENOVIRAL

Adherent + Suspension
Mammalian cells infection

AAV

Producer cell line + Ad	Adherent + Suspension	Suspension + HSV	Suspension + Baculovirus
Mammalian cells + infection	Mammalian cells transient transfection	Mammalian cells	Insect cells – infection

LENTIVIRAL

Packaging/ Producer cell line	Adherent + Suspension
Mammalian cells	Mammalian cells transient transfection

RETROVIRAL

Packaging/ Producer cell line	Adherent + Suspension
Mammalian cells	Mammalian cells transient transfection

HERPESVIRAL

Adherent + Suspension
Mammalian cells infection

*For detailed capabilities and capacity information please contact your Thermo Fisher Scientific representative.

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