



## Adenovirus

Pharmaron's Gene Therapy CDMO, located in Liverpool, UK has a 20-year track record in Biologics accumulating vast experience using a range of mammalian, microbial and insect cell lines to support Adenovirus Product Development.

We offer a full suite of services from viral vector process development through to clinical manufacture and process characterisation. Our world-class analytical capabilities include state-of-the-art physico-chemical, biophysical and bioassay technologies.

### Capabilities

- Automated cell line development platform
- State-of-the-art access controlled cryo-Facility
- Pharmaron HEK293 cell line available
- Flexible platform production strategies
- Robotic platforms and high throughput systems
- Single-use bioreactor scales up to 500L
- Comprehensive analytical toolkit

### Services

- Manufacture and release testing of **GMP-Grade MVSS/WVSS** for viral vector production
- Rapid process development strategies utilising **Design of Experiment (DOE) using high throughput systems** for studies such as MOI/POI/POH.
- Experience with **multiple** production cell lines including **HEK293, A549** and **Per.C6**
- **Suspension based platform and single use technology** for rapid scale up
- **Purification toolbox** for maximum flexibility and ensures product quality
- Complete **Analytical package** for **Viral Vector CQA Analysis**
- **MHRA licenced GMP production** suites with supporting QP release
- Authoring CMC sections for **regulatory submission dossiers** for clinical and market approval (**US, EU and global**)

