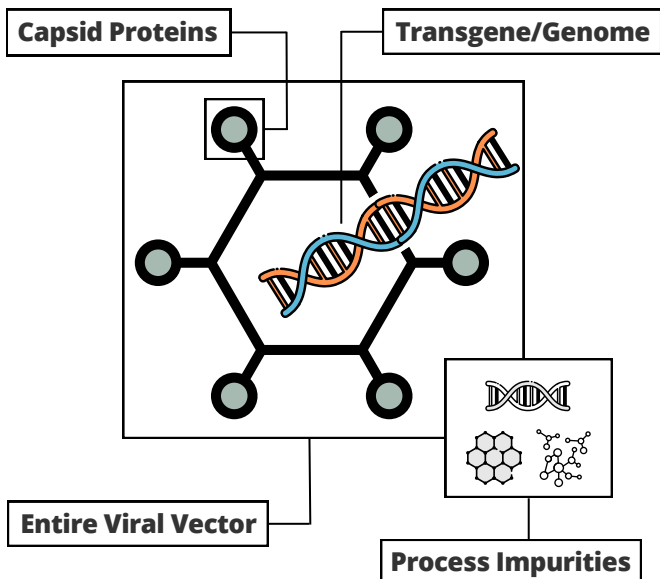




**KYMOS**  
GROUP

# Characterization of Viral Vectors

Advanced Therapies Services in GMP



Our specialized team has  
**experience with the following virus:**

- Adeno-associated virus (AAV)
- Adenovirus (AV)
- Lentivirus (LT)



**GMP**  
CERTIFIED

**GLP**  
CERTIFIED

**GCP**  
COMPLIANT

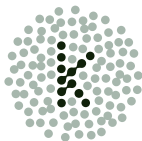
**EMA**  
INSPECTED

**FDA**  
INSPECTED

**ANVISA**  
INSPECTED



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GROUP

## **Characterization of Viral Vectors**

Cutting-edge technology for CMC and Quality Control of Advanced Therapies in Europe

### **Capsid Proteins Characterization**

- Molecular weight determination of protein constituents by LC-HRMS
- Correct ratio of protein constituents and purity by GCE and SDS-PAGE
- Amino acid sequencing by LC-MS/MS

### **Transgene/Genome Characterization**

- Identity, purity and size by GCE-LIF
- Sequencing by NGS
- DNA quantification by qPCR and fluorescence methods

### **Entire Viral Vector Characterization**

- Quantitation, empty/full capsids ratio, and purity by AEX
- Empty/full capsids and aggregation by TEM
- Aggregation by SEC
- Quantitation by ELISA
- Biological activity and protein expression

### **Process Related Impurities**

- Residual host cell proteins and enzymes by ELISA
- Residual host cell DNA by qPCR and GCE-LID
- Residual antibiotics by HPLC

*\* Some tests are provided in alliance with a partner.*

**GMP certified & GCP compliant. EMA and FDA inspected**



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