Gene therapy manufacturing support designed to optimize yield & quality

Support delivered across serotypes for a range of capsids, vector sizes & vector conformations

Ascend has built a flexible CMC platform to deliver:

- Lean development from preclinical to tox
- Process evaluation or optimization
- Process performance qualification (PPQ) for commercial products
- Process characterization studies

Our global footprint is growing:

- 57,000+ sqft of Process Development (PD) & Analytical Development (AD) Labs in Munich, Germany
- 57,500+ sqft of PD, AD & GMP-compliant commercial manufacturing in Alachua, Florida
- Even more thoughtfully designed GMP capacity in planning or build phases.

Our **EpyQ™ AAV production system** offers a novel two plasmid alternative to triple transfection— comparative studies can be run to see what benefits your process most!

An unmatched in-house suite of analytical solutions enables transparent progression.

ascend

ascend-adv.com business@ascend-adv.com

ADVANCED THERAPY MANUFACTURING SPECIALISTS

Our robust HEK-293 suspension AAV platform is applicable across serotypes

Designed to deliver safe & efficacious therapies whilst balancing quality with yield

Starting materials & upstream process

Downstream process & testing

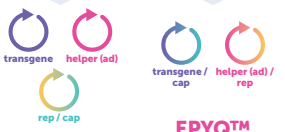
Proprietary starting materials & transfection

Bioreactor cultivation & clarification

DoE optimized capture step & optional viral safety

Scalable polishing & in-house formulation development

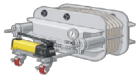
Vector engineering



Triple transfection

EPYQ™ AAV production system

Bioreactor cultivation



Cell lysis & clarification

Affinity column chromatography

Viral inactivation (optional)

High salt AEX in flow-through mode (optional)

F/E separation **(optional)**

Viral filtration, TFF & formulation

> 50 assays across characterization, release & stability

Our AAV manufacturing platform balances overall quality attributes with yield

Our USP platform easily plugs into multiple serotypes

Multiple DSP purification protocols available to fit various scales & needs

Extensive in-house platform analytics enable comparability studies to ensure the best process flow

Differentiated versus industry offering

Aim higher

ascend

ascend-adv.com business@ascend-adv.com

ADVANCED THERAPY MANUFACTURING SPECIALISTS