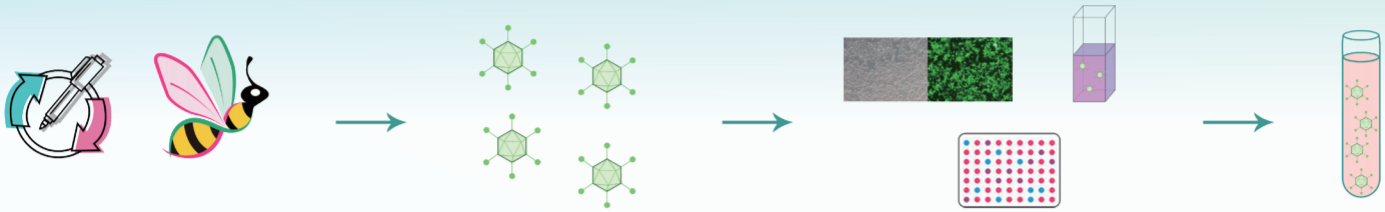
VectorBuilder

Adenovirus Packaging

High-titer, high-quality adenovirus for robust and reliable expression of large transgenes.



Design custom adenovirus vectors in the design studio or VectorBee.

Select virus packaging in various scales in just a few clicks.

Ensure the highest quality with our extensive and customizable QC.

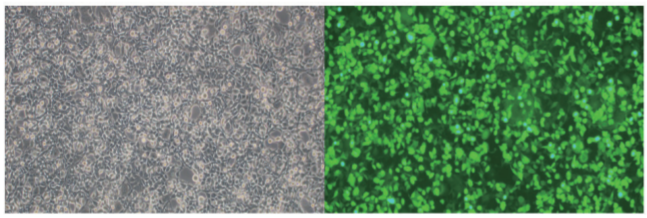
Receive your experiment-ready adenovirus.

VectorBuilder

Conventional Adenovirus

Human Ad5

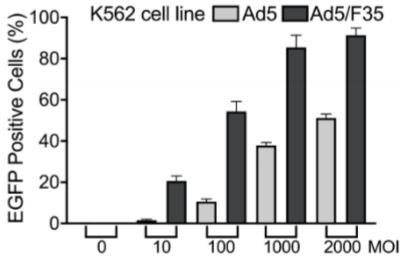
- 7.5 kb cargo capacity
- Broad tropism but requires CAR expression
- High immunogenicity
- High titers of >10^{11} IFU/ml (research grade) and >10^{12} VP/ml (ultra-purified)
- **28-35 days** from **$649** (research grade) and **$2,099** (ultra-purified)



HEK293A cells were transduced with EGFP-expressing Ad5 adenovirus at an MOI of 10.

Chimeric Ad5/F35

- 8.2 kb cargo capacity
- Very broad tropism, targeting CAR-positive and CAR-negative cells
- High immunogenicity
- High titers of >10^{11} IFU/ml (research grade) and >10^{12} VP/ml (ultra-purified)
- **35-42 days** from **$1,099** (research grade) and **$3,199** (ultra-purified)

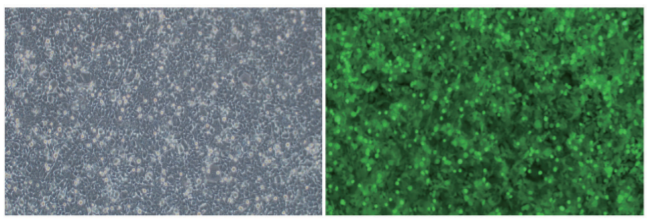


K562 cells with low CAR expression were transduced with EGFP-expressing Ad5 or Ad5/F35 adenovirus at increasing MOIs.

Gutless Adenovirus

Human Gutless Ad5

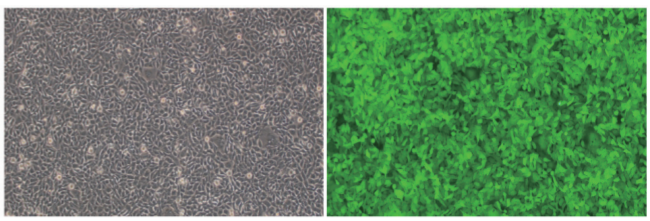
- 33 kb cargo capacity
- Broad tropism but requires CAR expression
- Removal of most viral sequences, so low immunogenicity
- Helper virus required
- High titers of >10^{11} VP/ml
- **35-42 days** from **$2,599**



HEK293A cells were transduced with EGFP-expressing gutless Ad5 adenovirus at an MOI of 1000.

Chimeric Gutless Ad5/F35

- 33 kb cargo capacity
- Very broad tropism, targeting CAR-positive and CAR-negative cells
- Removal of most viral sequences, so low immunogenicity
- Helper virus required
- High titers of >10^{11} VP/ml
- **35-42 days** from **$2,599**



HEK293A cells were transduced with EGFP-expressing gutless Ad5/F35 adenovirus at an MOI of 1000.