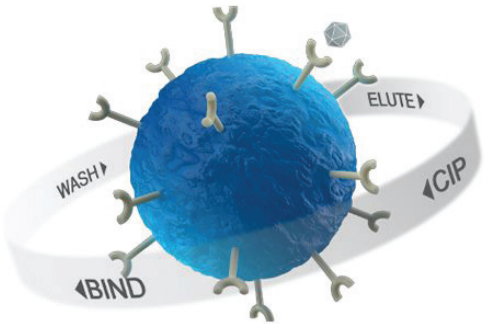
AVIPure® – AAV2, AAV5, AAV8 and AAV9 Affinity Resins

First and only NaOH regenerable

AAV serotype-specific affinity resins

AVIPure® – AAV Affinity Resins provide capture step purification of adeno-associated virus (AAV) 2, 5, 8 and 9 vectors with potential alkaline clean-in-place regeneration for improved process economics. A 50 µm cross-linked agarose bead ensures compatibility with standard bioprocess columns and flowrates.

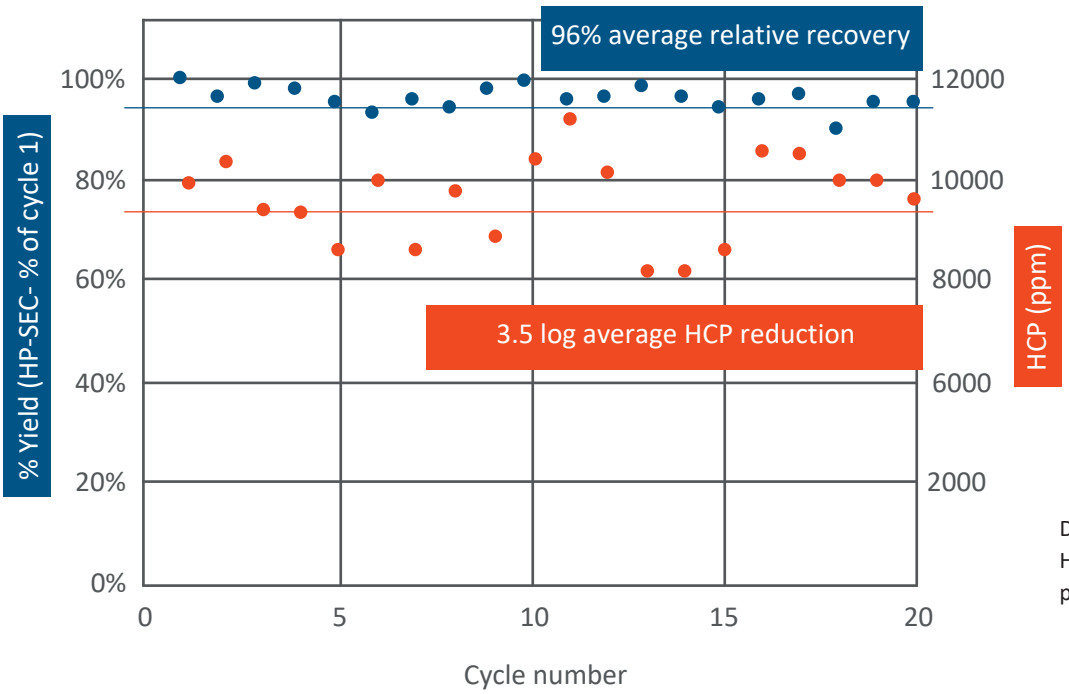
- Sanitize with 0.5 M NaOH with reliable performance
- Achieve high DBC
  - >2 x 10^{14} vp/mL with 1 min residence time
  - >7 x 10^{14} vp/mL with 4 min residence time
- Receive in ethanol-free storage buffer
- Available pre-packed in OPUS® Columns



Positively impact overall productivity and process economics

AVIPure® – AAV2, AAV5, AAV8 and AAV9 Affinity Resins withstand up to 0.5 M NaOH, enabling resin regeneration for numerous cycles with minimal loss of binding capacity and impurity clearance.

Sustain yield, capacity, and purity across repeated CIP cycles with 0.1 to 0.5 M NaOH



A bind, wash, elute and CIP cycle was repeated 20 times using concentrated HEK293 clarified cell culture fluid containing AAV8 capsids.
CIP performed here using a 30-minute hold step with 0.5 M NaOH.
Yield averaged 96% of first cycle recovery and HCP clearance averaged 3.4 log reduction across the 20 cycles.

DBC - Dynamic binding capacity
HCP - Host cell protein
ppm - Parts per million, ng HCP per 1 x 10^{14} capsids

REPLIGEN
INSPIRING ADVANCES IN BIOPROCESSING