

Virus Purification Workflow — **Centrifugation Highlights**



Centrifuge to harvest cells containing virus



Allegra X-15R

• 200 xg 15min

for downstream

Cell lysis and treatment



- 3000 xg 15min
- · keep supernatant

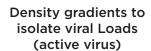
Polyethylene glycol (PEG) precipitation

- 5000 xg 2min
- · keep pellet

Optima XPN 100

Centrifuge to further clarify viral mixture

- 5000 xg 10min
- · keep supernatant



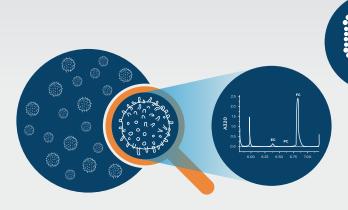
- 226,000 xg
- ~1.5 hours (step gradient)
- 226,000 xg
- ~20hours (continuous gradient)

uniquely purify fully loaded virus from

Virus characterization

Optima AUC

• Biophysical Experiments with AUC





Partial Capsid



The Ultimate goal!

Full Capsid





