Protocol-at-a-Glance

Adeno-X™ Maxi Purification Kit
Protocol-at-a-Glance

(PT3680-2)

Please read the *User Manual* before using this Protocol-at-a-Glance. This abbreviated protocol is provided for your convenience, but is not intended for first-time users.

Purification Protocol (see other side for a graphic overview of the protocol)

1. Equilibrate the Filter Assembly with 5 ml 1X Equilibration Buffer.

   Note: The flow rate for this and all subsequent steps should be **3 ml/min (~1 drop/sec)**.
2. Pass the diluted and clarified lysate through the Purification Filter to allow the virus to bind.
3. Wash the filter with 20 ml 1X Wash Buffer.
4. Remove the filter from the Assembly.
5. To elute the adenovirus, attach the filter to a new syringe containing 3 ml 1X Elution Buffer. Push 1 ml of Elution Buffer through the filter into a sterile 15 ml conical tube.
6. Incubate the filter at room temperature for 5 min.
7. Push the remaining elution buffer through to elute the rest of the adenovirus. Use residual air in the syringe to push any remaining virus through the filter.
8. Determine the adenoviral titer.

   Note: We recommend using the Adeno-X Rapid Titer Kit (Cat. No. 632250) or the Adeno-X qPCR Titration Kit (Cat. No. 632252).
9. Use immediately, or aliquot and store the adenovirus at –70°C.

Note:

For improved long-term stability, and proper tonicity for *in vivo* applications, we recommend a buffer exchange of the eluted adenovirus into 1X Formulation Buffer.

1X Formulation Buffer:
2.5% glycerol (w/v), 25 mM NaCl, and 20 mM Tris-HCl, pH 8.0 (GTS buffer; Hoganson, *et al.,* 2002)

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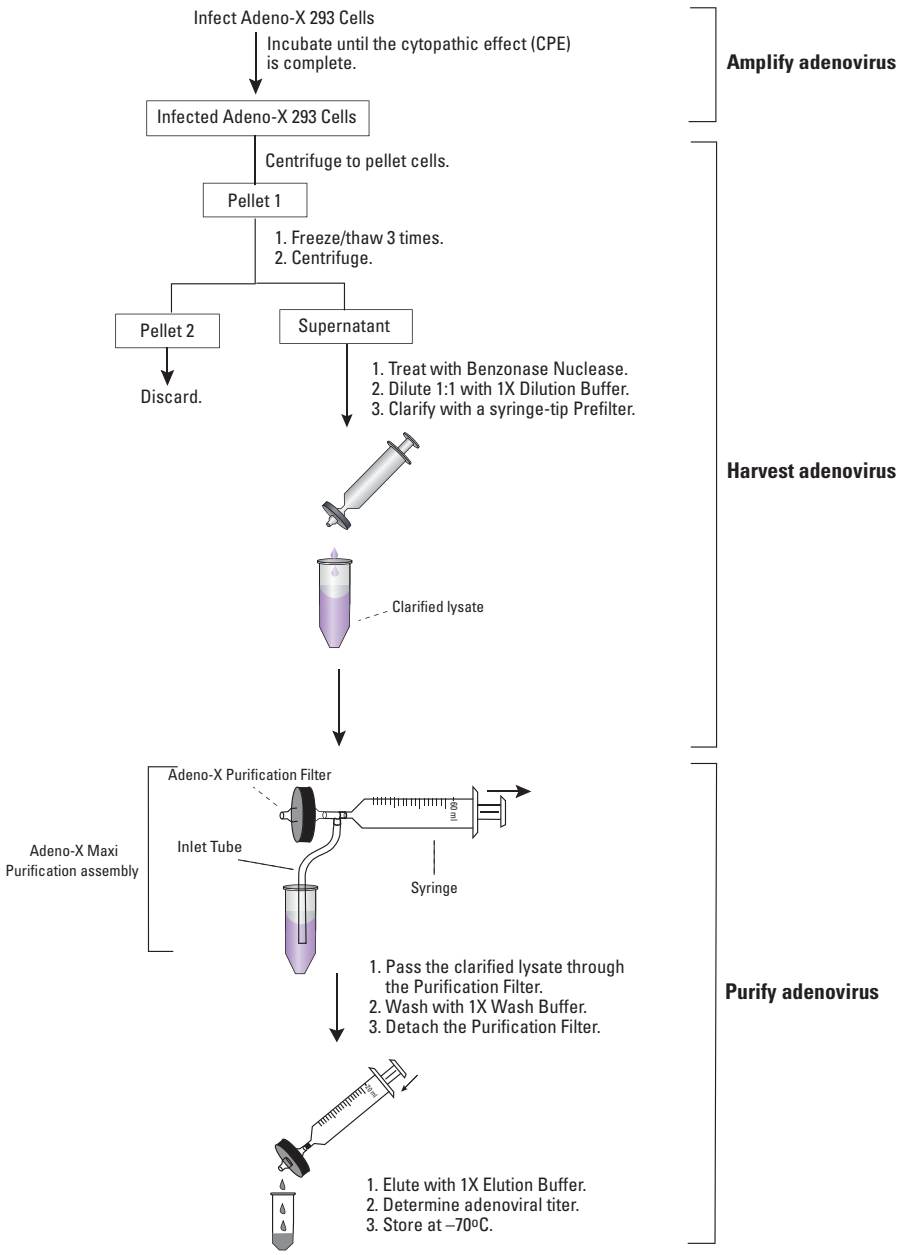

Figure 2. Overview of the Adeno-X Maxi Purification Protocol.

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