

J.T.Baker® Cell Lysis Solution

Instructions for Use

J.T.Baker® Cell Lysis Solution is a concentrated (100X) solution of optimized composition used for the lysis of cells to recover viral vectors such as AAV particles. The solution has been shown to be able to lyse several cell lines such as HEK293T, HEK293F and SF9 and its performance is not impacted by medium composition. J.T.Baker® Cell Lysis Solution, an alternative to Triton X-100, is a ready to use, biodegradable solution that meets REACH regulatory guidelines. The solution is supplied 0.2 µM filtered and packaged in sterile containers to control bioburden limits and can be stored at ambient temperature.

J.T.Baker® Cell Lysis Solution is simple to use. The following protocol is applicable to both adherent cells such as HEK293T and cells in suspension culture, such as HEK293F and SF9.

1. Following transfection and production of AAV, harvest adherent cells and pool into a suitable container. It may also be possible to add directly to culture vessel being used for growth of an adherent cell line. For suspension cells, J.T.Baker® Cell Lysis Solution can be added directly to the culture vessel.
2. Add J.T.Baker® Cell Lysis Solution at a 1:100 dilution (volume cell lysis solution/total volume culture) to the cell suspension.
3. Cells can be placed back on a shaker at 37 °C. (Note: Several studies at Avantor showed effective lysis at room temperature and 4 °C as well.) Let incubate with normal shaking speed for a minimum of 30 minutes (1 hour recommended). Some further evaluation may be needed initially to optimize for the viral particles being produced and cell line used.
4. Cell lysate can be transferred to appropriate containers for centrifuging following your lab's protocols for analysis or further purification.

Product Ordering

- 10mL in PETG vials (BAKRX193-01)
- 200mL PETG Bottles (BAKRX193-04)

Product Specification

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Appearance	Passes test
Refractive Index	1.1 -1.5
Density, g/mL	0.9 – 1.2 g/mL
Viscosity, (at 25°C) cP	7.5-9.5
pH	For Information Only (Target 4-6)
Total microbial count	No growth detected

For further manufacturing or R&D use only

Country of Origin: US