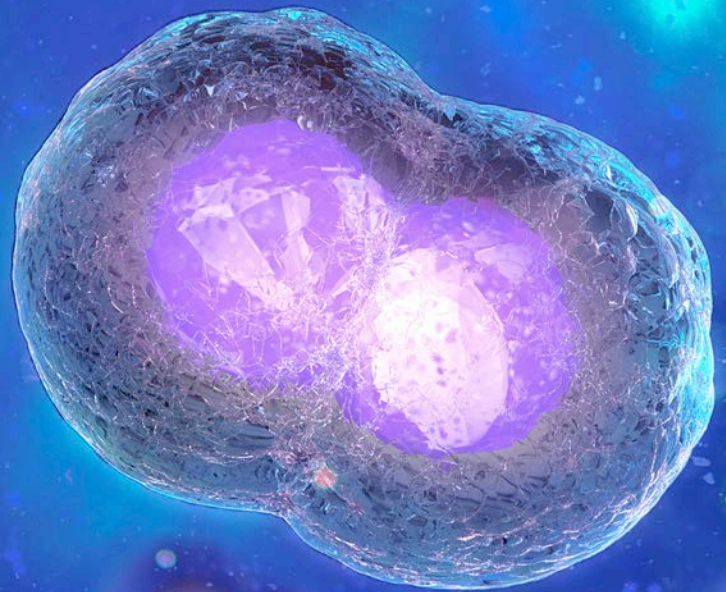


TheraPEAK[®] SfAAV[®] Medium



The next step in AAV production

Gene therapy holds significant promise for the delivery of enduring treatments or even cures for previously untreatable diseases. The key to development of clinical tools for gene therapy is safe and precisely targeted delivery of exogenous genetic material into the cells of patients. Adeno Associated Virus (AAV) is a popular viral vector for this process because it is a non-replicating viral vector with large packaging capacity.

Spodoptera Fuigiperda (Sf9) cells have classically been used to produce large size proteins and large quantities of viruses and proteins. Due to their ability to grow at high densities in suspension culture, Sf9 cells have become a reliable host for AAV production.

To support the needs of the gene therapy market, Lonza has developed TheraPEAK[®] SfAAV[®] Medium. This chemically defined medium allows faster, stable and more consistent growth of Sf9 cells compared to tested competitor media. Faster growth allows for infection one day earlier and SfAAV promotes more extracellular AAV production, less lactate and less ammonium build-up than leading media on the market, creating a better environment for health AAV production.

Features and benefits

- Chemically defined
- Non-animal origin
- Hydrolysate free
- GMP produced medium
- Enhanced cell growth
- Increased AAV production
- Easier downstream processing
- Drug Master File reference available

TheraPEAK[®] SfAAV[®] Medium is a high-performance, regulatory friendly medium that is your next step to expedite the time to market for safe, scalable and life-saving gene therapies. To learn how this product can support your next step in AAV production, visit:

www.lonza.com/Therapeak-SfAAV

Better doubling time stability

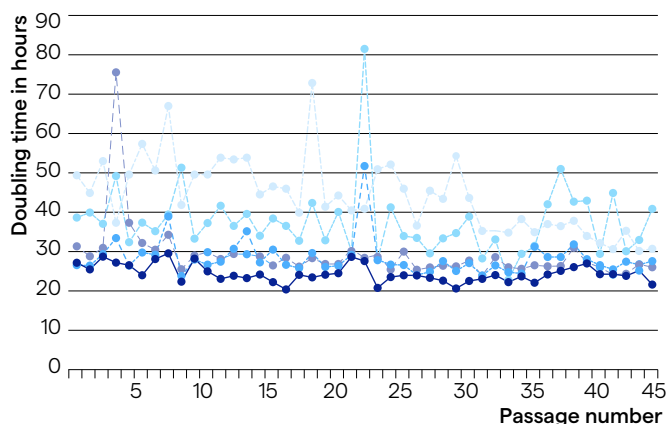


Figure 1. Sf9 cells have better and more stable doubling time over 45 passages in TheraPEAK® SfAAV® Medium (in dark blue) than in any tested competitor medium (in light blues) ensuring more consistent Sf9 cell performance over time thereby allowing the customer to plan production runs more accurately.

Faster Sf9 growth

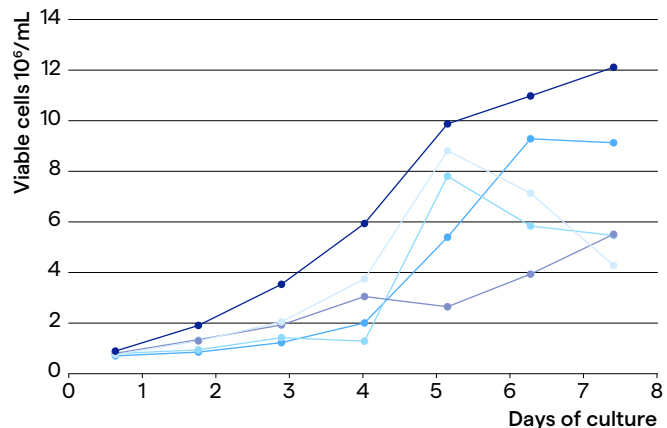


Figure 2. Sf9 cells grow faster in TheraPEAK® SfAAV® Medium (in dark blue) than in tested competitor media (in light blues) so customers are able to initiate baculovirus infections at optimal cell densities (~ 3×10^6 cells/mL) at least a day earlier than in tested competitor media.

GMP quality

Quality and safety are crucial to allow reliable results in clinical processes and ultimately, protect patients' lives. Lonza is dedicated to providing high quality cell and gene therapy products for global customers via our TheraPEAK® Line of media and reagents. All TheraPEAK® Media are manufactured according to regulations for medical devices including 21 CFR Part 820. Our manufacturing sites are FDA registered with an ISO 13485 certified quality management system. GMP formulations for further manufacturing use do not contain gentamicin and phenol red.

Enhanced AAV production

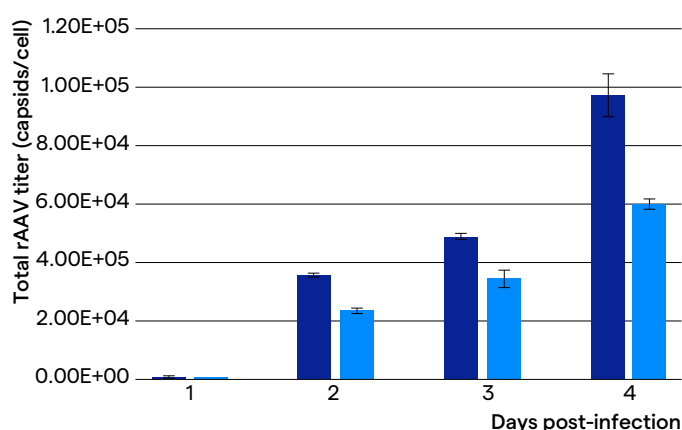


Figure 3. Sf9 cells produce more rAAV2 in TheraPEAK® SfAAV® Medium (in dark blue) than in leading competitor medium (in light blue) in bioreactors. Data generated through external collaboration.

Place your order or contact us for further info

Cat. no.	Description	Size
BP12-945Q	TheraPEAK® SfAAV® Medium	1 L (bottle)

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Learn more.



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