

Solentim InstiSHAKE™ HEK

Description

InstiSHAKE™ HEK is a chemically defined, animal component free, cell culture supplement designed for use with suspension HEK cells. InstiSHAKE HEK supports HEK cell growth during transition from static to shaking culture when added to cell culture media. InstiSHAKE HEK is supplied as a 20x concentrated solution which should be diluted to a final concentration of 1x in cell culture media.

Features & Benefits

- **Improved Cell Growth:** Increases cell numbers during standard cell culture, clone expansion, and supports transition of clones from static to shaking conditions
- **Ready to Use:** Fully optimized supplement, no requirement for optimization

Data

To evaluate the benefits of InstiSHAKE HEK, following single cell seeding and expansion to 24 well static culture, an evaluation was conducted to adapt mAb (transient) expressing HEK clones to shaking culture. 48 clones were expanded from 24 well static to 50mL bioreactors using a proprietary medium supplemented with and without InstiSHAKE HEK; 24 clones for each condition.

The number of clones which were successfully adapted to 50mL bioreactors was assessed, in addition to the amount of time taken or clones to reach a viable cell density (VCD) of 3×10^6 cells/mL, and viability >85%.

Storage & Handling

- Store at 2 - 8°C
- Shelf life: 18 months

Quality Control Testing

Certificates of analysis can be found on our website in the following location: www.aicompanies.com/support/certificates-of-analysis

Testing performed on each batch:

- Sterility testing (bacterial & fungal)
- Mycoplasma Testing

24 Static to 50mL Mini Bioreactor

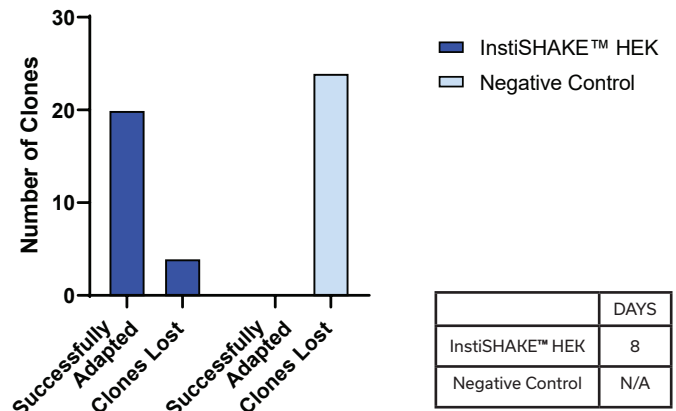


Figure 1.

Shows the number of clones successfully adapted from 24 well static to 50mL bioreactors with and without InstiSHAKE HEK. The time following expansion for clones to reach a VCD of 3×10^6 cells/mL, and viability >85% is also reported in days.

Product Information

Part Number	Part Name	Product Size (mL)
RS-2325	InstiSHAKE™ HEK	25mL

Intended Use

FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USE.

Resources

A Discussion About Cell Growth Supplements: www.aicompanies.com/education-training/webinars/a-discussion-about-cell-growth-supplements/