

## HEK293 Vaccine Media

Name	Packaging	Contents
HEK293 Vaccine Media	Aluminum Pouch	22.9 g

### Properties:

- Chemically-defined, animal origin-free and protein-free.
- Does NOT contain hydrolysates, extracts or other undefined components.
- Does NOT contain thymidine or hypoxanthine.
- Does NOT contain L-glutamine sources.
- Does NOT contain sodium bicarbonate.
- Contains poloxamer.
- Contains 7.5 g/L Glucose.

### Storage conditions:

Before liquid preparation, store powder media in dark, refrigerated environment (2–8°C), away from high humidity. After liquid preparation, store in dark, refrigerated environment (2–8°C).

### Instruction for preparation of 1 L liquid medium:

1. Prepare a suitable container and stir bar (magnetic bar).
2. Fill the container with about 90% volume (900 mL) of cell culture-grade water (room temperature).
3. For preparation of 1 L of liquid medium, add the whole amount of this pouch (22.9 g) to the container. To make sure all powder has been used, wash the pouch with a small amount of cell culture-grade water and add to the container.
4. Mix using magnetic stirrer for 30 minutes (not all powder may be dissolved yet, but that is not a problem).
5. Add 8 N NaOH 980 µL and continue mixing until all powder is dissolved (30 to 60 minutes). (for reference, pH should be around 6.3–6.4).
6. Add 1.8 g of Sodium Bicarbonate.
7. Mix using magnetic stirrer for additional 15 minutes, or until all powder is dissolved.
8. Add cell culture-grade water to final volume of 1 L and mix the medium for 10 minutes.
9. Final pH should be at the range of 6.9-7.3, and osmolality in the range of 290-320 mOsm/kg.
10. Filter the medium inside a sterile biosafety cabinet, using a membrane filter with pore size of 0.2 to 0.22 µm in diameter.
11. Store in a refrigerated (2–8°C), in dark, until use.
12. Right before use, add L-glutamine or AminoStable™ to the solution (4-8 mM final concentration is recommended). If required, add growth factors such as insulin or IGF-I.

### Usage:

- This product is a cell culture medium for use in research applications. Do not use it for any other purpose.
- For use in manufacturing, and for any other inquiries, please contact the following: