



## **CELLiST™ FEED Media (Model No. FEED2)**

### **Properties**

- Chemically-defined, protein-free media containing no animal components.
- Contains no hydrolysates, extracts or other undefined components.
- Does NOT contain L-glutamine sources.
- Does NOT contain D-glucose. If necessary, please add D-glucose at 70~100 g/L.

### **Instructions for liquid media preparation (200 mL)**

1. Add the entire amount of the FEED2 (22.0 g) medium powder to a beaker or flask containing 140 mL of cell culture grade water (room temperature).
2. Rinse the package with a small amount of cell culture grade water to remove traces of powder, and add to the solution.
3. Mix for 30 minutes using magnetic stirrer. Make sure the mixing vortex is long enough that it almost reaches the bottom of the vessel. Do not heat the medium.
4. Add 1.04 mL of 8 N NaOH and continue mixing for additional 30 minutes.
5. Measure the pH to make sure it is in the desired range (6.5 ~ 7.0).
6. If needed, add the require amount of D-glucose at this step.
7. Add cell culture grade water to the solution to bring it to the final volume (200 mL) and continue mixing for 60 minutes, or until completely dissolved. To avoid evaporation, keep the vessel covered while mixing (using aluminum foil, for example).
8. Perform sterile filtering of the media in a clean bench, using a membrane filter with pore size of 0.2 to 0.22  $\mu\text{m}$  in diameter (using an air pressure system).
9. Keep the prepared medium refrigerated (2 to 8°C) and use within 1 month.

### **Basic fed-batch protocol**

- Define the initial volume of the basal medium in the bioprocess vessel as 100% (v/v).
- Add 2-6% (v/v) of the prepared feed media every other day from culture day 3 or 4 (for example, 4% addition on culture day 4, 6, 8, 10, 12).
- If required, prepare additional D-glucose solution separately to be added gradually to cell culture to maintain proper D-glucose concentration.

### **Storage**

- Store under cool (2 to 8°C), dark and dry conditions.

NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.



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