

## **CELLiST™ Supplement Cys1**

Model	Package type	Qty.
CELLiST™ Supplement Cys1	Aluminum Pouch Supplement for 1L Feed media	6.61 g

### **Properties**

- Chemically defined feed media supplement.
- Does not contain animal-derived components.
- Does not contain hydrolysates, extracts or other undefined components.
- Does not contain protein-like growth factors.
- Does not contain L-glutamine sources, sodium bicarbonate, or poloxamer.

### **Storage conditions:**

Please store the powdered medium before liquid preparation in a refrigerator (2–8°C) in a dark place, avoiding high humidity.

After preparing the liquid, store it in a refrigerator (2–8°C) in a dark place and use it within one month.

### **Instruction for preparation of liquid medium:**

1. Prepare appropriate container (beaker or flask) and stirrer. To ensure efficient stirring, a 2 L or 3 L container is recommended.
2. Add cell culture grade water (purified water) to the container up to 70% of total volume (700 mL).
3. Add the amount of powder feed medium required for preparation of 1,000 mL total feed medium. For example, in the case of CELLiST™ FEED2, add 110.0 g.
4. Add 6.61 g of CELLiST™ Supplement Cys1 to the container.
5. **Note:** if a smaller amount of feed medium is prepared then please adjust Cys1 supplement amount accordingly. For example, if total of 200 mL feed medium is required, only 1.32 g of Cys1 supplement should be added to one pouch (22g) of CELLiST™ FEED2.
6. Mix for at least 30 minutes using magnetic stirrer.
7. If necessary, add D-glucose source to the solution at a proper concentration (for example, 70-100 g/L).
8. Add 8N NaOH to reach the desired pH. For CELLiST™ FEED2, approximately 10.1 mL of 8N NaOH is required for pH 6.5~7.0.
9. Add cell culture grade water up to 950 mL.
10. Mix for at least 60 minutes until completely dissolved.
11. Confirm pH is 6.5~7.0. If the pH is less than 6.5, add an 8N NaOH solution to adjust the pH to 6.5~7.0. If pH is 7.0 or higher, there is a possibility that it is not sufficiently dissolved, so please allow further stirring.
12. Add cell culture grade water to make up final volume (1,000 mL) and stir for about 15 minutes.
13. Sterile filter in a clean bench, using a membrane filter with pore size of 0.2 to 0.22 µm in diameter (using a positive pressure system).
14. Keep the prepared medium refrigerated (2–8°C) until use. It is recommended to store the feed medium in 50 mL sealed Falcon tubes leaving a minimum amount of free air space (in order to minimize oxidation of the medium).

### **Use:**

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