

## CELLiST™ Supplement Cys2

Model	Package type	Qty.
CELLiST™ Supplement Cys2	Aluminum Pouch Supplement for 1L feed medium preparation	17.0 g

### **Properties**

- Chemically-Defined.
- Does not contain animal-derived components.
- Contains no hydrolysates, extracts or other undefined components.
- Does not contain protein like growth factors.
- Does not contain L-glutamine sources, sodium bicarbonate, or poloxamer.

**Note:** Cys2 is meant to be used as a substitute for the second component (high pH component) in 2-component feed products (for example, replacing CB7b component).

### **Instructions for 1L feed media preparation**

1. Prepare proper 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 800 ml.
3. Add the main feed medium component in the required amount needed for preparation of 1000 mL feed.
4. Add 17.0 g of CELLiST™ Supplement Cys2.
5. Mix for at least 30 minutes. (Note: It will not completely dissolve at this stage).
6. Slowly add 5N NaOH in order to adjust the pH to the range of 6.6~6.8.
7. Mix for at least 60 minutes until completely dissolve.
8. Adjust the pH using either a 5N or 10N NaOH solution or HCl solution to the range of 6.6~6.8.
9. Mix for another 60 minutes.
10. Add cell culture grade water to make up final volume (1000mL) and stir for about 10 minutes.
11. Make sure the pH is in the correct range (6.6~6.8).
12. 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).
13. 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).

### **Storage**

Store under cool (2~8°C), dark and dry conditions until use.

### **Use**

For laboratory use only. Not intended for human or therapeutic use.