

Product Name:	QuaCell® CellBest 007 Feed Medium
Cat. No.	A12907
Amount:	3L, 10L, Customized
Formulation:	Power
Storage:	2~8°C
Validity period:	24 months (Validity period on product packaging)

Description

QuaCell® CellBest 007 Feed Medium supplements amino acids, vitamins, salts, trace elements and glucose. CellBest 007A is designed to support modern production processes with animal component-free, chemically defined, and no growth factors, peptides, hydrolysates, phenol red. CellBest 007B is an amino acid concentrate. CellBest 007A and 007B are concentrated cell culture supplements that are used in combination to increase protein production. The product has strong versatility and can be used with any basal medium on the market.

Components

L-glutamine	No
Glucose	77.00g/L
Hypoxanthine & Thymidine	No
Phenol red	No
Sodium bicarbonate	No
Hydrolysate	No

The product consists of three components

#A12907A	QuaCell® CellBest 007A Feed Medium
#A12957	QuaCell® CellBest 007B Feed Medium

Please use together following the User Manual.

Product Intended Use

Use aseptic technique when handling or supplementing this medium. This product is for research or further manufacturing use. CAUTION: Not for human or animal therapeutic use. Uses beyond the prescribed limits may violate local law.

Safety information

Read the Material Safety Data Sheets (MSDS) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves

Preparation Instructions

- Preparation of QuaCell® CellBest 007A Feed Medium:
 - Add 70% of the final volume of water for injection to a suitable clean container and adjust the water temperature to 20 ~ 30°C.
 - Slowly add 182.21 g/L QuaCell® CellBest 007A Feed Medium powder, stir and mix for 30 minutes.
 - Use 5 mol/L NaOH to adjust the pH to 6.65 ± 0.20, stir and mix for 60 minutes until dissolved.

4. Add water for injection to the desired final volume, stir and mix well.

5. Sterilize by filtration using pore size 0.22µm filter. Storage at 2~8°C avoid light preservation.

- Preparation of QuaCell® CellBest 007B Feed Medium:

1. Add 70% of the final volume of water for injection to a suitable clean container and adjust the water temperature to 20 ~ 30°C.

2. Slowly add 94.60 g/L CellBest 007B Feed Medium powder, stir and mix for 30 minutes.

3. Use 162ml/L 5mol/L NaOH to adjust the pH to 11.20 ± 0.20, stir and mix for 60 minutes until dissolved.

4. Add water for injection to the desired final volume, stir and mix well.

5. Sterilize by filtration using pore size 0.20µm filter. Storage at 2~8°C avoid light preservation.

- Use QuaCell® CellBest 007 Feed Medium under sterile condition.
- The product does not contain L-glutamine; Add L-glutamine as needed before use;
- Antibiotics are not recommended.
- The unused media after opening should be sub package, Use sealing film to seal, In 2 ~ 8°C avoid light preservation.

Fed-batch culture advice

1. Feeding strategy

	D3	D5	D7	D9	D11	D13
CellBest 007A	4%	4%	4%	4%	4%	4%
CellBest 007B	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%










2. The feeding strategy and feeding time can be adjusted according to the density and cell growth.

If the project already has a mature cultivation process, it is suggested to refer to the original process. If the process is in the development stage, it is suggested to use DOE method to determine the appropriate cultivation parameters in order to obtain better results.

Related Products

Cat.No.	Product
A11907	QuaCell® CellBest 007 Feed Medium
A11009	QuaCell® CellBest Basal Medium
A12009	QuaCell® CellBest Basal Medium

Explanation of Symbols and Warnings

		
Sterilized using aseptic processing techniques	Use By:	Store Temperature
		
Batch code	Dry preservation	Keep away from light
		
Research use only	GMP Manufacturing	Sticky notes

