

# EfficientFeed™ A+ AGT™ Supplement

## Description

EfficientFeed™ A+ AGT™ Supplement is a dry-format, single-part product for use in fed batch culture of multiple cell lines. EfficientFeed™ A+ AGT™ Supplement is an animal-origin free, chemically defined formulation that contains no proteins, hydrolysates, or components of unknown composition. The product provides an easy to reconstitute, pH neutral solution that can be concentrated from the suggested 66.4 g/L (1X) up to 199.2 g/L (3X). As a result, key nutrients can be delivered in smaller volumes.

Product	Catalog no.	Amount	Storage	Shelf life
EfficientFeed™ A+ AGT™ Supplement	A25023-04	1 × 1 L	2°C to 8°C; Store dark and dry	12 months
	A25023-05	1 × 10 L		
	A25023-01	1 × 100 L		

## Product use

Caution: For manufacturing, processing, or repacking.

## Safety information

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

## Reconstitute EfficientFeed™ A+ AGT™ Supplement

1. Measure 80% of the final volume deionized or distilled water at room temperature (15°C to 30°C).
2. Add EfficientFeed™ A+ AGT™ Supplement (66.4 grams/L) to water. Mix until completely dissolved and for a minimum of 20 minutes. Solution will be cloudy, improving with time.
3. Using a calibrated vessel, dilute to final volume with deionized or distilled water. Mix for an additional 10 minutes.
4. Measure pH and osmolality. Confirm final pH of 6.5–7.2. Final osmolality should be 460–490 mOsm/kg.
5. Sterilize immediately by membrane filtration (positive pressure recommended).

**Note:** Once product is filtered, use immediately or product can be stored at 2°C to 8°C for up to 12 months. Protect from light.

## Flexibility in reconstitution

EfficientFeed™ A+ AGT™ Supplement can be flexibly concentrated following these recommendations:

Concentration	Dissolution time
1X (66.4 g/L)	20 min
3X (199.2 g/L)	75 min

## Use

EfficientFeed™ A+ AGT™ Supplement can be added as multiple discrete additions every 1–3 days or as a continuous feed. Total feed volume can range from 10–45% (1X) to 3–15% (3X) of the original culture volume depending on the cell line and process. For best results, it is recommended to initiate feeding only after reaching mid to late exponential phase.

## Feeding examples

EfficientFeed™ A+ AGT™ Supplement example feeding strategies:










Conc.	Culture days										
	0	1	2	3	4	5	6	7	8	9	10
1X (66.4 g/L)	-	-	-	-	10%	-	10%	-	10%	-	10%
3X (199.2 g/L)	-	-	-	-	3.3%	-	3.3%	-	3.3%	-	3.3%

## Related products

Product	Catalog No.
CD OptiCHO™ Medium, (1X) liquid	12681
CD CHO Medium, (1X) liquid	10743
CD FortiCHO™ Medium	A11483
EfficientFeed™ B+ AGT™ Supplement	A25030
EfficientFeed™ C+ AGT™ Supplement	A25031
Trypan Blue Solution	15250
Water, Distilled	15230

## Explanation of symbols and warnings

The symbols present on the product label are explained below:

				
Caution	Manufacturer	Consult instructions for use	Keep away from light	Temperature limitation
				
Use by	Lot/batch #	Cat. no.	Sterilized using aseptic processing techniques	

## Limited product warranty

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### Internal Research and Bioproduction Use

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