


Efficient-Pro™ AGT™ Feed 1

Catalog Numbers A5209101, A5209102, A5209103

Pub. No. MAN0025907 Rev. 1.0

 **WARNING!** Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from [thermofisher.com/support](https://www.thermofisher.com/support).

Product description

Gibco™ Efficient-Pro™ AGT™ Feed 1 is a dry-format, single-part product for use in fed-batch culture of multiple cell lines. This product has been designed and demonstrated to work best with CHO-K1 cell lines paired with Gibco™ Efficient-Pro™ AGT™ medium. Gibco™ Efficient-Pro™ AGT™ Feed 1 is an animal origin-free, chemically-defined formulation that contains no proteins or hydrolysates.

Contents and storage

Cat. No.	Contents	Amount	Storage	Shelf life
A5209101	Efficient-Pro™ AGT™ Feed 1, 1 L	1 L	2°C to 8°C; Store dark and dry. ^[1]	12 months
A5209102	Efficient-Pro™ AGT™ Feed 1, 10 L	10 L		
A5209103	Efficient-Pro™ AGT™ Feed 1, 100 L	100 L		

^[1] It is recommended to use within 4 weeks after reconstitution if stored at room temperature.

Procedural guidelines

- Efficient-Pro™ AGT™ Feed 1 can be added as multiple discrete additions every 1–2 days or as a continuous feed.
- Daily feed volume can range from 1.5% to 3.0% of the original culture volume, depending on the cell line and process. To optimize performance, it is recommended to test in 0.5% increments between 1.5% to 3% of Efficient-Pro™ AGT™ Feed 1 daily.
- For best results, it is recommended to initiate feeding only after reaching mid- to late-exponential phase.
- It is recommended to pair this strategy with the basal medium, Gibco™ Efficient-Pro™ AGT™ Medium, for optimized results.
- If current processes are supplemented with insulin or other growth factors, it is recommended to continue use of these supplements.

Reconstitute Efficient-Pro™ AGT™ Feed 1

1. Measure 80% of the final volume deionized or distilled water at room temperature (15°C to 30°C) into formulation vessel.
2. Add Efficient-Pro™ AGT™ Feed 1 (181.4 grams/L).
3. Mix for 60 minutes or until completely dissolved.
4. Using a calibrated vessel, dilute to the final production volume with deionized or distilled water.
5. Mix for an additional 30 minutes, or until the solution is homogenous.
6. Measure pH and osmolality.
7. Sterilize immediately by membrane filtration (positive pressure recommended).

Recommended feed strategies

Efficient-Pro™ AGT™ Feed 1 feeding strategies:

Cell type	Culture days													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
High-titer /Osmo insensitive cell line	—	—	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	3%	—
Low-titer /Osmo sensitive cell line	—	—	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	—

Related products

Unless otherwise indicated, all materials are available through [thermofisher.com](https://www.thermofisher.com). "MLS" indicates that the material is available from [fisherscientific.com](https://www.fisherscientific.com) or another major laboratory supplier.

Catalog numbers that appear as links open the web pages for those products.

Product	Cat. No.
Efficient-Pro™ Feed 2	A5221401
Efficient-Pro™ AGT™ Feed 2	A5221601
Efficient-Pro™ Liquid Medium	A5322201
Efficient-Pro™ Feed 1	A5208801
Efficient-Pro™ AGT™ Medium	A5322301
L-glutamine, 200 mM (100x), liquid	25030
GlutaMAX™ Supplement	35050
HT Supplement, (100X), liquid	11067
Anti-Clumping Agent	10057
FoamAway™ Irradiated AOF	A10369

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale at www.thermofisher.com/us/en/home/global/terms-and-conditions.html. If you have any questions, please contact Life Technologies at www.thermofisher.com/support.



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For descriptions of symbols on product labels or product documents, go to [thermofisher.com/symbols-definition](https://www.thermofisher.com/symbols-definition).

The information in this guide is subject to change without notice.

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Revision history: Pub. No. MAN0025907

Revision	Date	Description
1.0	18 November 2021	New manual for Efficient-Pro™ AGT™ Feed 1.

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