



AdaptPD CHO-MK Feed 1

Catalog #	Product	Format	Available Package Sizes*
981811	AdaptPD CHO-MK Feed 1	Powder	1 L

* Additional package sizes are available upon request

Intended Use

For further manufacturing use only. Product is not intended for direct human administration or diagnostic procedures.

Product Description

AdaptPD CHO-MK Feed 1 is a chemically defined feed medium designed specifically for the productivity of CHO-MK** cell lines in fed-batch cultures with AdaptPD CHO-MK Medium A.

Shipping

Product is shipped at ambient conditions. Upon receipt, store immediately at 2-8 °C.

Quality Assurance

All quality control test results are reported on a lot specific Certificate of Analysis, which is available at <https://fujifilmbiosciences.fujifilm.com/> or upon request.

Storage Instructions and Stability

POWDER MEDIUM

Store at 2-8 °C protected from atmospheric moisture and protected from light. Do not use after the assigned expiration date.

**Reference: Masuda et. al, 2024. Establishment of a novel cell line, CHO-MK, derived from Chinese hamster ovary tissues for biologics manufacturing. Journal of Bioscience and Bioengineering, Vol 137, Issue 6, pages 471-479. <https://doi.org/10.1016/j.jbiosc.2024.02.005>.

Directions for Use

Hydration from Powder Medium

1. Add 800 mL/L WFI (Catalog #9309) or cell culture grade water to appropriate size mixing vessel.
2. Add 182.87 g/L AdaptPD CHO-MK Feed 1 (Catalog #981811) powder.
3. Mix moderately until no lumps remain (approximately 120 minutes). Note: the powder will not be dissolved completely at this point.
4. Add 2.2 g/L sodium bicarbonate.
5. Mix moderately until dissolved (approximately 15 minutes). Note: minimize mixing to avoid CO₂ degassing.
6. Adjust pH to 6.9-7.1 with NaOH.
7. Fill up to 1 L by adding WFI (Catalog #9309) or cell culture grade water.
8. Filter sterilize the medium using a 0.1-0.22 µm filter system into appropriate containers.
9. Store liquid media at 2-8 °C and minimize exposure to light.

Recommended Guidelines for Fed-Batch Culture

FED-BATCH CULTURE CONDITION FOR SHAKE FLASK

- Basal medium: AdaptPD CHO-MK Medium A (Catalog #982063) supplemented with 4 mM L-Glutamine (Catalog #9317)
- Feed medium: AdaptPD CHO-MK Feed 1 (Catalog #981811)
- Seeding density: 1.0 x 10⁶ cells/mL
- Incubator settings: 37°C, 5% CO₂, 150 rpm, humidified
- Initial culture volume: 25 mL (in a 125 mL baffled shake flask)
- Culture period: Day 7 to Day 10
- Feed volume: 6%, 8%, 10%, or 12% of culture volume daily from Day 3 to Day 6 or Day 9
- Glucose monitoring: Ensure glucose is added to prevent depletion.

Related Products

Catalog #	Product	Available Package Sizes*
982063	AdaptPD CHO-MK Medium A	10 L
9317	L-Glutamine Solution (200 mM)	100 mL, 500 mL
9309	Water for Injection (WFI)	1L, 20L, 200 L

* Additional package sizes are available upon request

Technical Support

CONTACT US

For more information or assistance, contact Customer Service at:

- Email: fisitmrequest@fujifilm.com
- Direct line: US +1 800 577 6097
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WEBSITE RESOURCES

Visit the website at <https://fujifilmbiosciences.fujifilm.com/> for technical resources and information including:

- Safety Data Sheets (SDS)
- COAs (when available)
- FAQs (when available)
- Product literature
- Complete list of offices and contact information by country

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