Certificate of Analysis

CHO AA8 Tet-Off® Cell Line

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Catalog No.
630904 (Not sold separately)

Lot Number
Specified on product label.

Description

CHO AA8 Tet-Off is a Chinese hamster ovary-derived cell line that expresses the tetracycline-regulated transactivator Tet-Off (1). Inducible expression of any gene can be achieved by transfecting or transducing this cell line with a vector containing your gene of interest under the control of a tetracycline-responsive promoter. Expression is induced by the withdrawal of doxycycline (Dox) from the culture medium.

Package Contents

- 1 ml CHO AA8 Tet-Off Cell Line (2.0 x 10^6 cells)

Storage Conditions

- Liquid nitrogen vapor phase

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Storage Medium

- 70% Tet System Approved FBS, 20% alpha-MEM, and 10% DMSO

Shipping Conditions

- Domestic: Dry ice (–70°C)
- International: Dry ice (–70°C)

Product User Manuals

User manuals for Clontech products are available for download at www.clontech.com/manuals.
The following user manuals apply to this product:

- Tet-Off® and Tet-On® Gene Expression Systems User Manual (PT3001-1)
- Tet Cell Lines Protocol-at-a-Glance (PT3001-2)

Cell Type Information

CHO AA8 Tet-Off is a Chinese hamster ovary-derived cell line stably transfected with pUHD15-1 and pSV2neo. This cell line is G418 resistant.

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(PA033650)

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Recommended Cell Culture Medium

CHO AA8 Tet-Off Cell Line: 90% Eagle Minimum Essential Medium (alpha modification), 10% Tet System Approved Fetal Bovine Serum (FBS), 4 mM L-glutamine, 100 µg/ml G418, 100 units/ml penicillin G sodium, and 100 µg/ml streptomycin sulfate, in the presence of 5% CO_2.

References

1. Gossen, M. & Bujard, H. (1992) *Proc. Natl. Acad. Sci.* USA **89**(12):5547–5551.

Quality Control Data

Functional Tests

CHO AA8 Tet-Off cells were transiently transfected by electroporation with pTRE2-Luc. Luciferase activity in the presence and absence of 1 µg/ml doxycycline (Cat. No. 631311) was measured 48 hr later as described in the Tet Systems User Manual. Induction was observed to be at least 30-fold when cells were grown in medium containing Clontech's Tet System Approved FBS.

Mycoplasma Contamination Test

This lot of cells has been tested and found to be free of mycoplasma contamination.

This document has been reviewed and approved by the Clontech Quality Assurance Department.