



NIH AIDS Reagent Program

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DATA SHEET

Reagent: CHO-EE Cells

Catalog Number: 2238

Lot Number: 94004

Release Category: D

Provided: 1 vial frozen cells.

Cell Type: Derived from CHO-K1 cells (ATCC).

Propagation Medium: See below. In addition to HIV-1 env genes, these cells have been stably transfected with a glutamine synthetase gene. Do not add glutamine to the culture medium, as this may select for cells that do not contain the desired env inserts.

Freeze Medium: GMEM-S medium without MSX, 60%; fetal bovine serum, 30%; DMSO, 10%.

Growth Characteristics: Split cells every 3-4 days at 1:12. Cells should just reach confluency on day of passage. Cells are heterogeneous and grow as a flat, adherent monolayer, singly or in clusters.

Sterility: Negative for bacteria, fungi, and mycoplasma.

Description: The cells can serve as a control for CHO-SEC and CHO-WT.

Special Characteristics: CHO-K1 cells were transfected with pEE14 (Celltech), which expresses glutamine synthetase.

[Table 1. CHO-Cell Lines](#)

[Protocol: Culture and Syncytium Detection Using CHO-Env Cell Lines](#)

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Carol Weiss and Dr. Judith White.

References: Weiss CD, White JM. Characterization of stable Chinese hamster ovary cells expressing wild-type, secreted, and glycosylphosphatidylinositol-anchored human immunodeficiency virus type 1 envelope glycoprotein. *J Virol* **67**:7060-7066, 1993.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: CHO-SEC from Dr. Carol Weiss and Dr. Judith White." Also include the reference cited above in any publications.

Last Updated July 03, 2018

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