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DATA SHEET

Reagent:	HIV-1 HXB2 gp120 Expressing CHO Cells (CHO-WT)
Catalog Number:	2239
Lot Number:	190093
Release Category:	D
Provided:	1 vial cells Post thaw cell count = 2.55 x 10^6 cells/vial Post thaw cell viability = 78%
Cell Type:	Derived from CHO-K1 cells (ATCC)
Propagation Medium:	Donor Provided Propagation Media: See donor provided protocol below. Current Propagation Media: Ham's F12K, 90%; FBS, 10% 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:	Donor Provided Freeze Media: GMEM-S medium without MSX, 60%; fetal bovine serum, 30%; DMSO, 10% Current Freeze Media: Recovery Cell Culture Freezing Media (Thermo Fisher cat# 12648010)
Growth Characteristics:	Cells are heterogeneous and grow as a flat, adherent monolayer, singly or in clusters.
Sterility:	Negative for mycoplasma, bacteria, and fungi.

Description:	CHO cells transfected to express HXB2 gp120
Special Characteristics:	CHO-K1 cells were cotransfected with HIV-1 env and rev expression vectors. The HXB2 env gene lacks complete rev and tat genes, and was introduced using the vector pEE14 (Celltech), which expresses glutamine synthetase. The cells are highly fusogenic as monitored by fluorescent dye transfer assays, and readily form visible syncytia with many human CD4+ cells. The extent of syncytium formation varies with the target cells used. These cells were received as part of a group and details about each reagent can be found in Table 1. Table 1. CHO-Cell Lines Protocol:Culture and Syncytium Detection Using CHO-Env Cell Lines
Recommended Storage:	Keep the reagent in liquid nitrogen.
Contributor:	Dr. Carol Weiss and Dr. Judith White
References:	Weiss, C. D., & White, J. M. (1993). Characterization of stable Chinese hamster ovary cells expressing wild-type, secreted, and glycosylphosphatidylinositol-anchored human immunodeficiency virus type 1 envelope glycoprotein. J Virol, 67(12), 7060-7066. PUBMED
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 (cat# 2239)." Also include the reference cited above in any publications.
Last Updated	March 01, 2019