Centre for AIDS Reagents.

Data Sheet.

DESCRIPTION :	CHO ST4.2
REPOSITORY REFERENCE :	ARP242
PROVIDED :	$8x10^6$ cells / vial.
SPECIES / TYPE :	Chinese hamster ovary cells.
MEDIUM FOR PROPAGATION :	Ham's F12 without hypoxanthine, with 0.3 μM methanotreate and 10% foetal calf serum. (Can also use DMEM without hypoxanthine).
GROWTH CHARACTERISTICS :	Medium growth rate. Maintain cells at about $2x10^6$. Feed with medium at least every 3 days. Flat adherent cells.
SPECIAL CHARACTERISTICS :	Cells secrete soluble CD4.
RECOMMENDED STORAGE :	Liquid nitrogen
SOURCE :	Dr Dan Littman, (courtesy of the NIH AIDS Research and Reference Reagent Program).

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)

CELL CULTURE PROPAGATION INSTRUCTIONS

(Courtesy of the NIH AIDS Research and Reference Reagent Program).

Biosafety :

Handle all supplied cultures in a laminar flow cabinet.
All laboratory manipulations of these cultures should take place under Biosafety Level-2 or Biosafety Level-3 conditions.

Handling Instructions for frozen cells :

I. On arrival, store frozen cell ampoules in liquid nitrogen vapour phase (-100°C). **Do not** store cells in mechanical freezers (-70°C) or on dry ice for more than a few days (cell viability is rapidly lost).
II. When removing an ampoule or vial from liquid nitrogen freezers use protective gloves, face shield and protective clothing. The potential exists for explosion if liquid nitrogen has leaked inside of an ampoule (nitrogen expands rapidly upon exposure to room temperature).
III. Thaw ampoule rapidly (60 seconds or less) in a 37°C water bath. Periodically invert the ampoule by hand to speed up the thawing process.
IV. Using sterile technique, transfer the cells into a tube containing 50 ml of the propagation medium. Centrifuge for 10 minutes at 120g to pellet the cells away from the DMSO. Discard the supernatant.
V. Resuspend cells in 10 ml of fresh propagation medium and transfer to a 25 cm^2 flask.
VI. Incubate at 37°C (either in a 5% CO_2 incubator or gas closed flasks with 5% CO_2 until a pH of 7.0-7.4 is obtained).