Centre For AIDS Reagents

Data Sheet

DESCRIPTION:	CHO-pEE14/tpa/UG37-08gp140REKR
REPOSITORY REFERENCE:	ARP5003
DETAILS OF PRODUCTION:	Stable CHO cell line secreting A-clade oligomeric gp140 (gp120 + external domain of gp41) into ambient medium. Cleavage site between gp120/41 retained. N-terminal signal sequence of gp replaced by that of tissue plasminogen activator (tpa) – cleaved from gp as it is secreted from cell. Gp140 N-termini starts $E_{28}N_{29}L_{30}W_{31}V_{32;}$ C-termini ends with 2F5 Mab epitope ELDKWAS. Full details of plasmid available on request
SPECIAL INFORMATION:	Derived from functional A clade gp160 clone p92UG037-08 (Gao et al., AIDS Res.Hum.Retro. 11, 1359-1367 (1994));viral isolate is 92/UG/037 (Molecular clone Accession no.U51190)
GROWTH MEDIA:	Glutamine-free DME supplemented with GS salts (both JRH Biosciences), 5% dialysed foetal calf serum and 200μM L-methionine sulphoximine (MSX). MSX selection must be applied throughout culture. Full culture details on request
PURIFICATION:	Secreted gp140 can be immunoaffinity purified using D7324 (Aalto Bioreagents, Rathfarnham, Dublin, Ireland). Full details available on request
STORAGE:	Liquid Nitrogen

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SOURCE:	Dr S.A. Jeffs, NIBSC
REFERENCES:	Jeffs et al (2002) – in press
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