Centre For AIDS Reagents

Data Sheet

DESCRIPTION:	CHO-pEE14/tpa/UG21-16gp140REKR
REPOSITORY REFERENCE:	ARP5002
DETAILS OF PRODUCTION:	Stable CHO cell line secreting D-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 $G_{29}N_{30}L_{31}W_{32}V_{33;}$ C-termini ends with 2F5 Mab epitope ELDKWAS. Full details of plasmid available on request
SPECIAL INFORMATION:	Derived from functional D clade gp160 clone p92UG021-16 (Gao et al., AIDS Res.Hum.Retro. 11, 1359-1367 (1994));viral isolate is 92/UG/021 (Molecular clone Accession no.U27399)
GROWTH MEDIA:	Glutamine-free DME supplemented with GS salts (both JRH Biosciences), 5% dialysed foetal calf serum and 100µM 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 Can be detected/quantified using CA13 (ARP3119)

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STORAGE:	Liquid Nitrogen
SOURCE:	Dr S.A. Jeffs, NIBSC
REFERENCES:	Jeffs et al (2002) – in press
ACKNOWLEDGEMENTS:	Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website at http://www.nibsc.ac.uk/spotlight/aidsreagent/index.html in the "Acknowledgements" section. 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)