DATA SHEET

For research use only. Not for use in humans.

Reagent:	HeLa CD4+ Cells
Catalog Number:	ARP-154
Lot Number:	190111
Release Category:	C
Provided:	Each vial of ARP-154 contains approximately 4.5 × 10^6 cells in 0.8 mL of freeze medium. Post-thaw viability was 83%.
Propagation Medium:	The recommended propagation medium is DMEM supplemented with 10% fetal bovine serum.
Freeze Medium:	The recommended freeze medium is Gibco Recovery Cell Culture Freezing Medium.
Growth Characteristics:	ARP-154 cells grow in suspension. The culture should be split in a ratio of 1:10 every 3 days. It may take a week before the cell viability increases above 50%.
Sterility:	Tests for bacteria, fungi and mycoplasma were negative.
Description:	ARP-154 (also referred to as HeLa T4+) is a human cervical epithelial carcinoma cell line rendered CD4 positive by retrovirus-mediated gene transfer.
Special Characteristics:	ARP-154 is susceptible to human immunodeficiency virus 1 (HIV-1) infection and exhibits syncytia formation. HeLa (ARP-153) and HeLa CD8+ (ARP-155) do not support HIV infection.
Recommended Storage:	Keep at -100°C or colder, preferably in the vapor phase of a liquid nitrogen freezer.
Contributor:	Dr. Richard Axel
References:	Maddon, P. J., et al. "The T4 Gene Encodes the AIDS Virus Receptor and is Expressed in the Immune System and the Brain." Cell 47 (1986): 333-348. PubMed: 3094962.
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: HeLa CD4+ Cells, ARP-154, contributed by Dr. Richard Axel." Also include the references cited in any publication.
Biosafety Level: 2	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories (BMBL). 6th ed. Washington, DC: U.S. Government Printing Office, 2020.
Disclaimers:	You are authorized to use this product for research use only. It is not intended for use in humans. Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org. While the NIH HIV Reagent Program uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

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Note:

Scientists at for-profit institutions or who intend commercial use of Release Category C Reagents (ARP-154) must contact Dr. Ofra Weinberger, Director, Science and Technology Ventures, Columbia University Medical Center, Tel: 212-305-6389, Email: ow1@columbia.edu, before this reagent can be released.

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