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# Centre for AIDS Reagents

## Data Sheet

Health Protection Agency

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| **NAME:** | B-THP-1/DC SIGN η |
| **REPOSITORY REFERENCE:** | ARP5013 |
| **SPECIES/TYPE:** | Human B Cell line |
| **SPECIAL CHARACTERISTICS:** | Derived from B-THP-1 cells (ARP5012), an Epstein Barr Virus (EBV) positive, Raji subclone (see data sheet of B-THP-1 cells for a more complete description). BTHP-1 parental cells were transduced with the MLV vector MX-DC-SIGN and FACS sorted as a population for high levels of DC-SIGN expression. The MX-DCSIGN vector encodes no drug-selectable marker gene. Thus, early freezes of this line should be established. Variable expression of DC-SIGN will be observed in the cell population if kept more than one month in culture. B-THP- 1/DC-SIGN cells support efficient DC-SIGN-mediated HIV transmission. |
| **CULTURE MEDIUM:** | RPMI 1640, 90%; foetal calf serum, 10% |
| **STORAGE:** | Liquid nitrogen |
| **SOURCE:** | Drs. Li Wu and Vineet N. KewalRamani. HIV Drug Resistance Program, NCI (courtesy of NIH AIDS Research and Reference Reagent Programme.) |



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**REFERENCE:**

Wu L, Martin TD, Carrington M, Kewal Ramani VN. Raji B cells, misidentified as THP-1 cells, stimulate DC-SIGN-mediated HIV transmission. *Virology* **318**:17-23, 2004.

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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)