

Product sheet

**XXXXL-540 | 300201**

**XXXX XXXX**

**Description** L-540 is a human T cell line derived from a patient with hairy cell leukemia. It is a CD30+ CD20- B cell line that is highly tumorigenic and is used for the study of hairy cell leukemia. The cells are maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 100 U/ml penicillin, 100 U/ml streptomycin, and 100 U/ml nystatin.

**Organism** Human

**Tissue** Blood

**Disease** Hairy cell leukemia

**Synonyms** L 540, L540

**XXXXXXXXXX**

**Age** 20 years

**Gender** Male

**Ethnicity** Caucasian

**Morphology** Lymphoblastoid

**Growth properties** Adherent

**XXXXXXXX XXXXXXXXXXXXX**

**Citation** L-540 (XXXX XXXXX Cytion 300201)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_1362

**XXXXXXXX XXX-XXXXXXXXXXXX**

# Product sheet

**EBV-L-540 | 300201**

**Viruses** EBV

## Media

**Culture Medium** RPMI 1640, w: 2.0 mM  $\text{CaCl}_2$ , w: 2.0 g/L  $\text{NaHCO}_3$  (Cytion 820700a)

**Supplements** 10% FBS

**Subculturing** 5

**Fluid renewal** 3

**Freeze medium** RPMI 1640, w: 2.0 mM  $\text{CaCl}_2$ , w: 2.0 g/L  $\text{NaHCO}_3$  (Cytion 820700a), 10% FBS + 10% DMSO

## Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Centrifuge at 300 x g for 3 minutes.
3. Resuspend cells in 15 ml of culture medium.
4. Seed cells into a T25 flask at 70% confluency.
5. Incubate at 37°C in 5%  $\text{CO}_2$  for 15 minutes.
6. Harvest cells by trypsinization.
7. Seed cells into a T25 flask at 70% confluency.
8. Incubate at 37°C in 5%  $\text{CO}_2$  for 24 hours.

**Incubation Atmosphere** 37°C, 5%  $\text{CO}_2$

**Flask Coating** EBV-L-540

