

Product sheet

LS174T | 300392

Product Information

Description LS174T is a cell line derived from LS-180 cells. It is a human cell line used for research purposes. The cell line is characterized by its ability to grow in the presence of B-27 serum supplement. The cell line is maintained in DMEM/F12 medium supplemented with B-27 serum supplement. The cell line is used for research purposes.

Organism Human

Tissue Colon

Disease Colon Cancer

Synonyms LS174T, LS174T, LS174T, LS-174-T, LS-174-T, LS 174 T, LS 174 T, LS 174T, LS 174T, LS 174T, LS 174T, LS 174

Cell Characteristics

Age 58 days

Gender Male

Ethnicity Caucasian

Morphology Epithelial

Growth properties Adherent

Identification

Citation LS174T (ATCC CCL-221) (300392)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1384

Additional Information

Product sheet

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Protein expression	CD3 + CEA + p53 - GFAP -
Antigen expression	HLA A2 B13 B13 B50
Isoenzymes	LDH1: 6
Oncogenes	Myc+ myb+ ras+ fos+ p53+ p53+ sis- abl- ros- src-
Tumorigenic	
Reverse transcriptase	
Products	CEA 1944 /106 IL-10 IL-6
Mutational profile	LS-174T 12 GGT (Wt Gly) >GAT (Asp)
Karyotype	45,x
Characteristics	
Culture Medium	EMEM (MEM Eagle) 2 NaHCO3 EBSS (820100a)
Supplements	10 1
Dissociation Reagent	
Subculturing	PBS
Seeding density	5 x 10 ⁴ - 8 x 10 ⁴
Fluid renewal	2 - 3
Post-Thaw Recovery	1 - 24

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Freeze medium

Freeze medium: 10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells in a 37°C water bath.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Wash cells with PBS.
4. Resuspend cells in 10% FBS + 10% DMSO.
5. Seed cells into a 96-well plate.
6. Incubate cells for 24 hours.
7. Harvest cells.
8. Analyze cells.

Incubation Atmosphere

37°C, 5% CO₂

Flask Coating

Flask coating: 10% FBS + 10% DMSO

Freezing Procedure

Freezing procedure: 10% FBS + 10% DMSO

Shipping Conditions

Shipping conditions: 10% FBS + 10% DMSO

Storage Conditions

Storage conditions: -150 to -196°C

LS174T / HLA

