

Product sheet

SW-1353 | 300440

General information

Description	Cell line established in 1977 by A. Leibovitz. Leibovitz (L-15) cell line
Organism	Human
Tissue	Colon, Adipose tissue
Disease	Colorectal adenocarcinoma (Stage II)
Synonyms	SW1353, SW 1353

Donor information

Age	72 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Growth properties	Adherent, Epithelial

Identification and safety

Citation	SW-1353 (Cell Line Catalog Cytion 300440)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0543

Antigen expression

Antigen expression	Human O-
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Isoenzymes	G6PD, B, PGM1, 1, PGM3, 2, ES-D, 2, AK-1, 1, GLO-1, 2, 0.00009
Karyotype	47,xx, +7, N7, N7
Culture Medium	DMEM:Ham's F12 (1:1), w: 3.1 g/L, w: 2.5 mM L-HEPES, w: 15 mM HEPES, w: 0.5 mM, w: 1.2 g/L NaHCO3 820400a)
Supplements	10% FBS
Dissociation Reagent	
Subculturing	T25, 3-5" PBS, 3
Seeding density	1×10^4
Fluid renewal	2-3
Freeze medium	(FBS) + 10% DMSO

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Thawing and Culturing Cells

1. Thaw the cells rapidly in a water bath at 37°C. Do not allow the cells to reach room temperature. Transfer the cells to a pre-warmed medium.
2. Seed the cells into a pre-warmed medium. Incubate at 37°C with 5% CO₂ in a humidified atmosphere.
3. Monitor the cells for attachment and growth. Change the medium after 24 hours.
4. Once the cells are established, they can be passaged into fresh medium.
5. The cells should be maintained in a humidified atmosphere with 5% CO₂ at 37°C.
6. The cells should be maintained in a humidified atmosphere with 5% CO₂ at 37°C.
7. The cells should be maintained in a humidified atmosphere with 5% CO₂ at 37°C.
8. The cells should be maintained in a humidified atmosphere with 5% CO₂ at 37°C.

Incubation Atmosphere 37°C, 5% CO₂, humidified

Flask Coating Cell culture medium

Freezing Procedure Freeze cells in a freezing medium at -80°C

Shipping Conditions Ship cells at -80°C

Storage Conditions Store cells at -150°C for up to 196 months

Genotype / HLA

Sterility Sterility testing: PCR

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██████ HLA

A*: '24:02:01, '29:02:01

B*: '44:02:01, '44:03:01

C*: '02:02:02, '16:01:01

DRB1*: 07:01:01, 13:01:01

DQA1*: '01:03:01, '02:01:01

DQB1*: 02:02:01, 06:03:01

DPB1*: '02:01:02, '04:01:01

E: '01:01:01, '01:03