

Product sheet

T84 | 300354

General Information

Description	Human T84 cells are a cell line derived from a patient with colorectal adenocarcinoma. The cells are epithelial and have a high growth rate. They are commonly used in research to study the biology of colorectal cancer and to test potential therapies.
Organism	Human
Tissue	Colon
Disease	Colorectal adenocarcinoma
Metastatic site	None
Applications	Cell culture, drug screening, gene expression analysis, protein production, and study of cancer biology.
Synonyms	T-84, T 84

Cell Characteristics

Age	72 years
Gender	Male
Ethnicity	White
Morphology	Epithelial cells
Cell type	Adenocarcinoma
Growth properties	High growth rate

Identification and Safety

Citation	T84 (ATCC CCL-221) 300354
Biosafety level	1
NCBI_TaxID	9606
CellSaurusAccession	CVCL_0555

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GMO Status **XX XXXX XXXXX XXXXX XXXXX XXXXX XXXXX XXXXX XXX XXXXX XXXXX (XXX XXXX KRAS G13D XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX)**

XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

Receptors expressed **XXXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX**

Antigen expression **XXXXXXXXXXXX + (XXXXXXXX XXXXXXXXXXX + (XXXXXXXX XXXXXXXXXXX + (XXXX XXXXX))**

Isoenzymes **G6PDXBPGM1X1XPGM3X1XES-DX1XMe-2X1-2XAK-1X1XGLO-1X1-2**

Tumorigenic **XXXX XX XXXXXXX XXXXXXX**

Products **XXXXXXXX XXXXXXXXXXXXXXXXXXXX (CEA)X600 XXXXXXXXXXX/XX XXX 10 XXXXX XXXX6 XXX 10 XXXXX XXXXXXXXXXX**

Mutational profile **XXXXXXXX T84 XXXX XXXX XXXX XXXXXXXXXXX XXXXXXX XX XXXXXXXXXXX13: GGC(Wt Gly) >GAC(Asp)**

Karyotype **XXXX XXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX56 XXXXXXXXXXX XXXXX XXXXX 28% XX XXXXX XXXXXXXXXXX XXXXX 12.4%. XXXX XXXXXXX XXXXXXX**

XXXXXXXXXXXX

Culture Medium **XXXX XX 12X X 1.0 XXXX XXXXX XXXXXXXXXXX XXXXXXX X 1.0 XXXX XXXXX XXXXXXXXXXX XXXXXXXXXXX X 1.1 XX/XXX NaHCO3 (XXX XXXXXXX XXXXXXX)**

Supplements **XX XXXXXXX XXXXX X 10X XX XX FBS**

Dissociation Reagent **XXXXXXXX**

Doubling time **XXXXX 48 XXX 72 XXXX**

Subculturing **XX XXXXXXX XXXXX XXXXXXX XX XXXXXXX XXXXXXXXXXX XXXXXXX XXXXXXXXXXX PBS XXXX XXXXX XXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX**

Split ratio **XX 1 XXX3**

Seeding density **1 XXXX 2 x 10⁴ XXXX/XX² (XXX XXXXXXX XXX XXXX XXXXXXX XX XXX XX 1/4 XXXXXXX XXX XXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX)**

Fluid renewal **2 XXXXX XX XXXXXXX**

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Post-Thaw Recovery XXXX XXXX XXXXXXXX XX XXXX XXXXXXXX XXXXXX 5×10^4 XXXX/XX² XXXXXXXX XXXX 24–48 XXXX XXXX XXXXXXXX XXX XXXXXXXX XXXX XXXX XXXXXXXX

Freeze medium XXXXX XXXXX XXXXXXXXXXXX XXXXXXXX XXX XXX XXXXX (XXXX XX XXXX FBS) + 10% DMSO XX XXXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXX XXXXXXXX XXXXXXXX

- Thawing and Culturing Cells**
1. XXXXX XX XXXXX XXXXXXXXXXXX XXXXXXXX XXXX XXX XXXXXXXX XXX XXX XXX XXXXXXXX XXX XXX XXX XXXXXXXX XXX XXXXXXXX XXXXXXXX XXXXXXXX XXXXXXXX
 2. XXXX XXXXXXXXXXXX XXX XXXXXXXX XXXXXXXXXXXX XXXXXXXX XXX XXXXXXXX XX XXXXX XXXXXXXX XXXX XX-150 XXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXX XXXXXXXX
 3. XXXXXXXXXXXX XXXXXXXX XX XXXXXXXX XXXXXXXXXXXX XXXXXXXX XX XXXXXXX XXXXXXX XX XXXXXXX XXXXXXX XXXXXXX 37 XXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX
 4. XXXXXXX XXXXX XXXXXXXX XXXXXXXX XX XXXXX XXXXXXX XX XXXXXXX XXXXXXX XX XXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXX 70% XX XXXXXXXXXXXX XXXXXXXX
 5. XXXXX XXXXXXXXXXXX XXXXXXXX XXXXXXXX XXXXXXX XXXXX XXXXXXX XXX XXXXXXX XXX XXXXXXX XXX XXXXXXX XXX 15 XX XXXXXXX XXX 8 XX XX XXX XXXXXXXXXXXX XXXXXXXX
 6. XXXXX XXXXXXXX XXXXXXXX XXXXXXXX XXXX $300 \times$ XX XXXXX 3 XXXXXXX XXXXXXX XXXXXXXXXXXX XXXXXXX XXXXXXXX XX XXXXXXX XXXXXXXXXXXX XXXXXXX XXXXXXX XXXXXXX
 7. XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXX XX 10 XX XX XXX XXXXXXX XXXXX. XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX
 8. XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXX XXXXXXXXXXXX XXX XXXXXXXXXXXX XXX XX XXXXXXX XXXXXXXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX

Incubation Atmosphere 37 XXXXX XXXXXXXXXXXX XX XX XXXXX

Flask Coating XX XXXX

Freezing Procedure XXXX XXX XXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXX XXX XXX XXX XXX XXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XX XXXXX XXXXX XXXXXXX XXX XXXXXXX XXXXXXX -78

Shipping Conditions XXXX XXX XXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XXX XXX XXX XXX XXX XXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX XX XXXXX XXXXX XXXXXXX XXX XXXXXXX XXXXXXX -78

Storage Conditions XXXXXXX XXXXX XXXXXXXX XX XXXXXXXXXXXX XX XXXXXXXXXXXX XXXXX XX XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXX -150 XX -196 XXXXX XXXXXXX XXXXXXX

XXXXXXXX XXXXXXXX / XXXXXXX XXXXXXXX / HLA

