

Product sheet

4T1-GFP | 305625

4T1-GFP

Description 4T1-GFP is a cell line derived from the 4T1 mouse mammary carcinoma cell line. It expresses GFP (Green Fluorescent Protein) under the control of the 4T1 promoter. This cell line is used for studying the biology of breast cancer and for testing anti-cancer therapies. The GFP expression allows for easy identification and tracking of the cells in vivo and in vitro.

Organism Mouse

Tissue Mammary gland

Disease Breast cancer

Synonyms 4T1-A, 4T1.0, 4T1/WT

4T1-GFP

Age 4-6 weeks

Gender Male

Growth properties Adherent

4T1-GFP

Citation 4T1-GFP (4T1-GFP) Cytion 305625

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_0125

GMO Status GMO-S1: 4T1-GFP is a genetically modified organism (GMO) because it contains a recombinant DNA construct. The construct consists of the 4T1 promoter, the GFP gene, and a selectable marker. The GFP gene is expressed in the 4T1 cells, allowing for easy identification and tracking of the cells.

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Surface antigens GFP

XXXXXX

Culture Medium RPMI 1640, w: 2.1 mM XXXXXXXX XXXXX, w: 2.0 g/L NaHCO3 (XXXXX XXXXX Cytion 820700a)

Supplements XXXXX XXXXXXX 10% FBS

Dissociation Reagent XXXXXXX

Doubling time 12.6 XXXXX

Seeding density 1 x 10⁴ - 3 x 10⁶ cells/cm²

Fluid renewal 2 x 3 XXXXXXX XXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXX, XXXX XXXXXXX XXXXXXX XXXXXXX XXXX + 10% DMSO XXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX

Thawing and Culturing Cells

1. XXXX XXXXXXXXXX XXXXX XXXXX XXXXXXXXXX XXXX XXXXXXXXXX, XXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX
2. XXX XXXXXXX XXXXXXXXXX, XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXX XXXXXXXXXX XXXXXXXXXX -150°C XXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX, XXX XXXXXXXXXX
3. XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX, XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXX 37 XXXXXXXXXX XXXXXXXXXX XXX XXX XXXXXXXXXX
4. XXXX XXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX, XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX 70% XXXXXXXXXX XXXXXXXXXX
5. XXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX 15 μl XXXXXXXXXX 8 μl XXX XXX XXXXXXXXXX XXXXXXXXXX
6. XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX -200 x g XXXXXXXXXX 5 XXXXXXXXXX, XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXX XXXXXXXXXX
7. XXXX XXXX XXXXXXXXXX XXXXXXXXXX XXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX

Incubation Atmosphere 37°C, 5% CO₂, XXXXXXXXXX XXXXX

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Shipping
Conditions

Store at -78°C

Storage
Conditions

Store at -150 to 196°C

HLA