

SW480 | 300302

SW480

Description	SW480 is a human colorectal adenocarcinoma cell line. It is a well-established cell line that is used for research in cancer biology and drug development.
Organism	Human
Tissue	Colorectal adenocarcinoma
Disease	Colorectal adenocarcinoma, Stage IV, B
Synonyms	SW480, SW 480, SW480E

SW480

Age	50
Gender	Male
Ethnicity	White
Morphology	Epithelial
Growth properties	Adherent

SW480

Citation	SW-480 (ATCC CCL-229) Cytion 300302
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_0546

SW480

Receptors expressed	EGFR, HER2, IGF1R, PDGFR, etc.
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Protein expression	<p> p53, </p>
Antigen expression	<p> HLA A2, B8, B17, A, Rh+, -CSAp (CSAp-) 3 </p>
Isoenzymes	<p> G6PD, B, PGM1, 2, PGM3, 1, 6PGD, A, PEP-D, 1, ES-D, 1 </p>
Tumorigenic	<p> , </p>
Viruses	<p> , </p>
Virus susceptibility	<p> (HIV, LAV) </p>
Products	<p> (CEA) 0.7 ng/10⁶ cells/10⁶ cells, TGF-&beta;, GM-CSF. </p>
Mutational profile	<p> SW-480 -Kras 12: GGT(Wt Gly) >GTT(Val). G->A 273 p53 </p>
Media	
Culture Medium	<p> Ham's F12, w: 1.0 mM , w: 1.0 mM , w: 1.1 g/L NaHCO₃ (Cytion 820600a) </p>
Supplements	<p> 10% FBS </p>
Dissociation Reagent	<p> , </p>
Doubling time	<p> 20 - 25 </p>
Subculturing	<p> -PBS T25, -3-5 ' -PBS, 3 </p>
Seeding density	<p> 1 x 10⁴ cells/cm² </p>
Fluid renewal	<p> 1 - 2 </p>
Post-Thaw Recovery	<p> 24 </p>

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Freeze medium

Thawing and Culturing Cells

1.
2.
3.
4.
5.
6.
7.
8.

Incubation Atmosphere

Flask Coating

Freezing Procedure

Shipping Conditions

Storage Conditions

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Sterility

PCR

HLA

A*: '02:01:01, '24:02:01
B*: 07:02:01, 15:18:01
C*: 07:02:01, 07:04:01
DRB1*: '01:03:01, '13:01:01
DQA1*: '01:01:01, '01:03:01
DQB1*: '05:01:01, '06:03:01
DPB1*: '01:01:01, '04:01:01
E: 01:01, 01:03