



Product sheet

**MSTO-211H | 300450**

<b>Tumorigenic</b>	Yes, tumorigenic in med 20% tumorigenic in 20% MSTO-211H
<b>Karyotype</b>	46,XX = 72, 46,XY = 70 78
<b>Characteristics</b>	
<b>Culture Medium</b>	RPMI 1640, w: 2.0 mM $\text{CaCl}_2$ , w: 2.0 g/L $\text{NaHCO}_3$ (Cytion 820700a)
<b>Supplements</b>	10% FBS
<b>Dissociation Reagent</b>	Trypsin
<b>Doubling time</b>	20 days
<b>Subculturing</b>	400,000 cells, 5-300xg, 24 hours
<b>Seeding density</b>	$1 \times 10^4$ cells/cm <sup>2</sup>
<b>Fluid renewal</b>	2-3 times
<b>Post-Thaw Recovery</b>	4-7 days, 24 hours
<b>Freeze medium</b>	10% FBS + 10% DMSO

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**Thawing and  
Culturing Cells**

1. Thaw the vial rapidly in a water bath at 37°C. Do not allow the vial to touch the bottom of the bath. Transfer the cells to a pre-warmed tube.
2. Centrifuge at 300 x g for 3 minutes at 4°C. Remove the supernatant and resuspend the cells in 150 µl of pre-warmed medium.
3. Seed the cells into a 96-well plate (196 µl per well) at a density of 100,000 cells per well. Incubate at 37°C with 5% CO<sub>2</sub>.
4. After 24 hours, the cells should be at 70% confluency.
5. Harvest the cells by adding 150 µl of lysis buffer to each well and incubating for 15 minutes at 37°C.
6. Transfer the lysate to a clean vial and centrifuge at 300 x g for 3 minutes at 4°C. Store the supernatant at -150°C.
7. Thaw the lysate at 37°C and dilute 10-fold in lysis buffer. Store at -150°C.
8. Use the lysate for PCR amplification of the target sequence.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** Cell culture medium, 10 minutes, 37°C

**Freezing Procedure** Harvest cells, resuspend in freezing medium, aliquot into vials, store at -78°C

**Shipping Conditions** Store at -78°C, use dry ice

**Storage Conditions** Store at -150°C, 196 µl per well

**Genotype / HLA**

**Sterility** Sterilize by autoclaving at 121°C for 15 minutes. PCR products are sterile.

██████ MSTO-211H | 300450

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██████ HLA

**A\***: '01:01:01, '03:01:01

**B\***: 07:02:01, 39:01:01

**C\***: '07:02:01, '12:03:01

**DRB1\***: '01:01:01, '04:01:01

**DQA1\***: '01:01:01, '03:01:01

**DQB1\***: '03:02:01, '05:01:01

**DPB1\***: 04:01:01

**E**: 01:01, 01:03