

SaOS-2 | 300331

<b>Description</b>	Saos-2	11
	Saos-2	

**Organism**

**Tissue**

**Disease**

<b>Synonyms</b>	SAOS-2, Saos-2, SAOS 2, Saos 2, Saos2, SaOs2, SAOS2, Sarcoma OSteogenic-2, SaOS, SAOS
-----------------	---

<b>Age</b>	11
------------	----

**Gender**

**Ethnicity**

**Morphology**

**Growth properties**

<b>Citation</b>	SaOS-2 Cytion	300331
-----------------	---------------	--------

<b>Biosafety level</b>	1
------------------------	---

<b>NCBI_TaxID</b>	9606
-------------------	------

<b>CellosaurusAccession</b>	CVCL_0548
-----------------------------	-----------

**SaOS-2 | 300331**

<b>Receptors expressed</b>	EGF	beta 1	2
----------------------------	-----	--------	---

<b>Antigen expression</b>	B Rh+	HLA A2	A3	Bw16	Bw47
---------------------------	-------	--------	----	------	------

<b>Isoenzymes</b>	Me-2	1	PGM3	1-2	PGM1	1-2	ES-D	2	AK-1	1	GLO-1	2	G6PD	B	0.0002
-------------------	------	---	------	-----	------	-----	------	---	------	---	-------	---	------	---	--------

<b>Tumorigenic</b>	
--------------------	--

<b>MSI-status</b>	(MSS)
-------------------	-------

<b>Karyotype</b>	56	2S	13.2%
------------------	----	----	-------

<b>Culture Medium</b>	DMEM:Ham's F12	1:1	w: 3.1 g/L	w: 2.5 mM L-	w: 15 mM HEPES	w: 0.5 mM	w: 1.2 g/L NaHCO3	Cytion	8
-----------------------	----------------	-----	------------	--------------	----------------	-----------	-------------------	--------	---

<b>Supplements</b>	10% FBS
--------------------	---------

<b>Dissociation Reagent</b>	Accutase
-----------------------------	----------

<b>Doubling time</b>	35	40
----------------------	----	----

<b>Subculturing</b>	PBS	T25	3-5	PBS	T75	5-10	Accutase	T25	1-2	T75	2.5
---------------------	-----	-----	-----	-----	-----	------	----------	-----	-----	-----	-----

<b>Split ratio</b>	1:2	1:4
--------------------	-----	-----

<b>Seeding density</b>	$1 \times 10^4$	/
------------------------	-----------------	---

<b>Fluid renewal</b>	2	3
----------------------	---	---

<b>Post-Thaw Recovery</b>	
---------------------------	--

<b>Freeze medium</b>	FBS	+10% DMSO	CM-1	Cytion	800100	CM-1	Cytion	800100
----------------------	-----	-----------	------	--------	--------	------	--------	--------

SaOS-2 | 300331

Thawing and Culturing Cells				
1.				
2.		-150°C		3
3.		37°C	40-60	
4.			70%	
5.		8	15	
6.	300 x g	3		
7.	10		T25	T25
8.				

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

**Flask Coating**

**Freezing Procedure** -78 °C

**Shipping Conditions** -78 °C

**Storage Conditions** -150 -196 -80 °C

/ /HLA

**Sterility** PCR

SaOS-2 | 300331

**STR**

- CSF1PO:** 10
- D13S317:** 12,13
- D16S539:** 12,13
- D5S818:** 12
- D7S820:** 8,1
- TH01:** 6,9
- TPOX:** 8
- vWA:** 18
- D3S1358:** 14,18
- D21S11:** 28,3
- D18S51:** 15
- Penta E:** 14,19
- Penta D:** 11,12
- D8S1179:** 10,12
- FGA:** 22,25

**HLA**

- A\*:** '02:01:01, '24:02:01
- B\*:** '13:02:01, '44:27:01
- C\*:** '06:02:01, '07:04:01
- DRB1\*:** '11:04:01, '12:01:01
- DQA1\*:** '05:05:01
- DQB1\*:** '03:01:01
- DPB1\*:** '02:01:02, '04:01:01
- E:** '01:01:01, '01:03:01