

Cell Line Data Sheet for SMS-SAN

Disease: Neuroblastoma
Phase of Therapy: Diagnosis
Treatment: None
Disease Stage: 4
Gender: Female
Age at diagnosis: 36 months
Race: N/A
Age at sample collection: N/A
Source of Culture: Bone Marrow
Primary Tumor Site: Adrenal gland
Date Established: February 1979

MYCN Patient: Amplified
MYCN Cell line: N/A
TH mRNA: Positive
p53 functionality: Functional
Telomere Mechanism: N/A
ALK: F1174L

IC90 (DIMSCAN*):	<u>CBDCA (µg/ml)</u>	<u>CDDP (µg/ml)</u>	<u>DOX (ng/ml)</u>	<u>ETOP (ng/ml)</u>	<u>L-PAM (µg/ml)</u>
*see reference 4	0.4	<0.1	5.5	22	1

CBDCA, carboplatin; CDDP, cisplatin; DOX, doxorubicin; ETOP, etoposide; L-PAM, melphalan

Growth Conditions: Please see Protocols section at <https://www.cccells.org/protocols.php>
5% CO₂, 20% O₂, 37.0°C

Media Formulation: Please see Protocols section at <https://www.cccells.org/protocols.php>
Cells are grown in a base medium of Iscove's Modified Dulbecco's Medium plus the following supplements (to a final concentration): 20% Fetal Bovine Serum, 4mM L-Glutamine, 1X ITS (5 µg/mL insulin, 5 µg/mL transferrin, 5 ng/mL selenous acid)

Doubling Time: 71 hours
Growth Properties: Round, teardrop-shaped neuroblasts, adherent and suspended cells, grow mostly in clumps

STR Profile: May be obtained at <https://strdb.cccells.org/>

Notes:

All COG Repository cell lines are antibiotic-free, mycoplasma-free, and cryopreserved in 50% FBS / 7.5% DMSO. Each vial label contains the cell line name, passage number, total viable cell count (usually 5-10e6), the overall cell viability, and date frozen. All cell lines are validated with original patient sample by STR analysis.

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References:

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Cell Line Data Sheet for SMS-SAN

Cell Line Name: SMS-SAN

Low confluency (10x magnification)

High confluency (10x magnification)

Low confluency (20x magnification)

High confluency (20x magnification)

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