

Cell Line Data Sheet for COG-N-519

Disease: Neuroblastoma
Phase of Therapy: Progressive disease, post mortem
Treatment: N/A
Disease Stage: 4
Gender: Male
Age at diagnosis: 25 months
Race: N/A
Age at sample collection: 32 months
Source of Culture: Blood
Primary Tumor Site: Adrenal gland
Date Established: January 2014

MYCN Patient: Amplified
MYCN Cell line: N/A
TH mRNA: Expressed
p53 functionality: N/A
Telomere Mechanism: N/A
ALK: N/A
RNAseq: N/A
WES: N/A

Growth Conditions: Please see Protocols section at <https://www.cccells.org/protocols.php>
 5% CO₂, 20% O₂, 37.0°C; 5% CO₂, 5% O₂, 37.0°C; 5% CO₂, 2% 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: 20% O₂-38 hours 5% O₂-55 hours 2% O₂-63 hours
Growth Properties: Adherent

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

Notes: The Childhood Cancer Repository has a matching hypoxic cell line grown at 5% O₂ available from this same patient – COG-N-519h. The Childhood Cancer Repository has a matching hypoxic cell line grown at 2% O₂ available from this same patient – COG-N-519h2. There is a matching PDX also available from this same patient – COG-N-519x.

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:

1. J. L. Harenza, M. A. Diamond, R. N. Adams, M. M. Song, H. L. Davidson, L. S. Hart, M. H. Dent, P. Fortina, C. P. Reynolds, J. M. Maris, Transcriptomic profiling of 39 commonly-used neuroblastoma cell lines. *Sci Data*. 2017;4:170033. PMID: 28350380
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5369315/>

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(10x magnification)

