

Cell Line Data Sheet for COG-N-453

Disease:	Neuroblastoma
Phase of Therapy:	Post-Chemotherapy (Progressive Disease), Post-mortem
Treatment:	ANBL00B1 (20080703), ACCL05C1 (20080813)
Disease Stage:	4
Gender:	Male
Age at diagnosis:	17 months
Race:	NA
Age at sample collection:	61.3 months
Source of Culture:	Tumor (liver tissue) surgery March 2012
Primary Tumor Site:	Adrenal gland, NOS Suprarenal gland Adrenal, NOS
Date Established:	April 2012
MYCN Patient:	Amplified
MYCN Cell line:	Amplified
TH mRNA:	Expressed
p53 functionality:	NA
Telomere Mechanism:	TERT negative, C-circle negative
ALK:	Wild Type
RNAseq:	Available upon request
WES:	Available upon request
IC90 (DIMSCAN*):	NA
Growth Conditions:	Please see Protocols section at https://www.cccells.org/protocols.php 5% CO ₂ , 20% O ₂ , 37.0°C; 5% CO ₂ , 5% O ₂ , 37.0°C; 5% CO ₂ , 2% O ₂ , 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%O ₂ – 71 hours 5%O ₂ – 139 hours 2%O ₂ – 210 hours
Growth Properties:	Heterogeneous culture of adherent cells and suspended cells
STR Profile:	May be obtained at https://strdb.cccells.org/
Notes:	The Childhood Cancer Repository has a matching hypoxic cell line grown at 5% O ₂ available from this same patient – COG-N-453h. The Childhood Cancer Repository has a matching hypoxic cell line grown at 2% O ₂ available from this same patient – COG-N-453h2. The Childhood Cancer Repository has a matching PDX available from this same patient – COG-N-453x. There is a matching cell line with a PDX also available from this same patient but were established from blood – COG-N-452 and COG-N-452x.

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



Cell Line Data Sheet for COG-N-453

Cell Line Name: COG-N-453

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/>



Cell Line Data Sheet for COG-N-453

Cell Line Name: COG-N-453

Low Confluency (10x Magnification)

High Confluency (10x Magnification)

Low Confluency (20x Magnification)

High Confluency (20x Magnification)

Childhood Cancer Repository
Powered by Alex's Lemonade Stand
COG resource Laboratory
www.cccells.org