

Cell Line Data Sheet for COG-N-470

Disease:	Neuroblastoma
Phase of Therapy:	Post-Chemotherapy (Progressive Disease), Post-mortem
Treatment:	ANBL00B1 (20110429), ANBL0532 (20110509), ADVL0912 (20120420)
Disease Stage:	4
Gender:	Female
Age at diagnosis:	19 months
Race:	NA
Age at sample collection:	33.2 months
Source of Culture:	Blood July 2012
Primary Tumor Site:	Adrenal gland, NOS Suprarenal gland Adrenal, NOS
Date Established:	November 2012
MYCN Patient:	Amplified
MYCN Cell line:	Amplified
TH mRNA:	Expressed
p53 functionality:	NA
Telomere Mechanism:	TERT ++, C-circle negative
ALK:	F1174L
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 – 82 hours 5%O ₂ – 103 hours 2%O ₂ – 139 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-470h. The Childhood Cancer Repository has a matching hypoxic cell line grown at 2% O ₂ available from this same patient – COG-N-470h2. The Childhood Cancer Repository has a matching PDX available from this same patient – COG-N-470x.

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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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