

## Cell Line Data Sheet for COG-N-421

**Disease:** Neuroblastoma  
**Phase of Therapy:** Post-Chemotherapy (Progressive Disease), Post-mortem  
**Treatment:** AB9804 (20040323), ANBL00B1 (20040326), B947 (20040329)  
**Disease Stage:** 4  
**Gender:** Male  
**Age at diagnosis:** 32.8 months  
**Race:** NA  
**Age at sample collection:** 118.8 months  
**Source of Culture:** Blood (post-mortem) May 2011  
**Primary Tumor Site:** Adrenal gland, NOS Suprarenal gland Adrenal, NOS  
**Date Established:** July 2011

**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<sub>2</sub>, 20% O<sub>2</sub>, 37.0°C; 5% CO<sub>2</sub>, 5% O<sub>2</sub>, 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<sub>2</sub> – 107 hours      5%O<sub>2</sub> – 144 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<sub>2</sub> available from this same patient – COG-N-421h. The Childhood Cancer Repository has a matching PDX available from this same patient – COG-N-421x.

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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**Cell Line Name:** COG-N-421

**References:**



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**Cell Line Name:** COG-N-421

**Low Confluency (10x Magnification)**

**High Confluency (10x Magnification)**

**Low Confluency (20x Magnification)**

**High Confluency (20x Magnification)**

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Childhood Cancer Repository  
Powered by Alex's Lemonade Stand  
COG resource Laboratory  
[www.cccells.org](http://www.cccells.org)