

PDX Data Sheet for COG-N-518x

Disease: Neuroblastoma
Phase of Therapy: Diagnosis
Treatment: None
Disease Stage: 4
Gender: Male
Age at diagnosis: 39.6 months
Race: NA
Age at sample collection: 39.6 months
Source of culture: Right Bone Marrow January 2014
Primary tumor site: NA
Date Established: May 2014

MYCN Patient: Non-Amplified
MYCN PDX: Relative copy number – 34 copies
TH mRNA: Expressed
p53 functionality: NA
Telomere Mechanism: TERT negative, C-circle negative
ALK: NA

PDX RNAseq: Available upon request
PDX WES: Available upon request
Strain of Mice: NSG (recommended) or Athymic NuNu (Non-Continuous)
Injection Type: Subcutaneous
 (originally established from intravenous injection, then expanding through subcutaneous injection)

Growth Properties: 15e6 cells injected in NSG, ~2 months to 1500mm³;
 18e6 cells injected in Athymic NuNu, ~6 months to 1500mm³
 Please see Protocols section at
<https://www.cccells.org/protocols.php>

Human vs. Mouse: This PDX model has been tested and confirmed over multiple passages to be above 90% human cells.

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

Notes: The Childhood Cancer Repository has a matching direct-to-culture hypoxic cell line grown at 5% O₂ available from this same patient – COG-N-518h.

h-IMPACT Profile I IDEXX: PCR evaluation of EBV, HAAdV, Hantaan, HCMV, Hepatitis A, Hepatitis B, Hepatitis C, HHV 6, HHV8, HIV1, HIV2, HSV 1, HSV 2, HTLV 1, HTLV2, LCMV, Mycoplasma sp., Seoul, Sin Nombre, VZV were all negative.

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References:

1. B. Koneru, G. Lopez, A170:E170 A. Farooqi, K. L. Conkrite, T. H. Nguyen, S. J. Macha, A. Modi, J. L. Rokita, E. Urias, A. Hindle, H. Davidson, K. McCoy, J. Nance, V. Yazdani, M. S. Irwin, S. Yang, D. A. Wheeler, J. M. Maris, S. J. Diskin, C. P. Reynolds, Telomere Maintenance Mechanisms Define Clinical Outcome in High-Risk Neuroblastoma. *Cancer Res.* 2020;80:2663-2675." PMID 32291317
<https://cancerres.aacrjournals.org/content/80/12/2663.long>



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H&E slides