

PDX Data Sheet for COG-N-590x

Disease: Neuroblastoma
Phase of Therapy: Diagnosis
Treatment: None
Disease Stage: 4
Gender: Male
Age at diagnosis: 55.6 months
Race: NA
Age at sample collection: 55.6 months
Source of culture: Tumor surgery October 2015
Primary tumor site: Cortex of adrenal gland
Date Established: November 2016

MYCN Patient: Amplified
MYCN PDX: Relative copy number – 119 copies
TH mRNA: Expressed
p53 functionality: NA
Telomere Mechanism: TERT++, C-circle negative
ALK: Wild Type

PDX RNAseq: Available upon request
PDX WES: Available upon request
Strain of Mice: NSG or Athymic NuNu (recommended)
Injection Type: Subcutaneous
Growth Properties: 15e6 cells minimum, ~3-4 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 cell line available from this same patient – COG-N-590. The Childhood Cancer Repository has a matching hypoxic cell line grown at 5% O₂ and 2% O₂ available from this same patient – COG-N-590h and COG-N-590h2.

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:



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H&E slides