

## PDX Data Sheet for COG-N-573x

**Disease:** Neuroblastoma  
**Phase of Therapy:** Diagnosis  
**Treatment:** None  
**Disease Stage:** 4  
**Gender:** Male  
**Age at diagnosis:** 27.7 months  
**Race:** NA  
**Age at sample collection:** 27.7 months  
**Source of culture:** Left Bone Marrow July 2015  
**Primary tumor site:** Adrenal gland, NOS; Suprarenal gland; Adrenal, NOS  
**Date Established:** September 2015

**MYCN Patient:** Amplified  
**MYCN PDX:** Relative copy number – 44 copies  
**TH mRNA:** Expressed  
**p53 functionality:** NA  
**Telomere Mechanism:** TERT++, C-circle NA  
**ALK:** NA

**PDX RNAseq:** Available upon request  
**PDX WES:** Available upon request  
**Strain of Mice:** SQ: NSG or Atymic NuNu mice (recommended); TV: NSG only  
**Injection Type:** Subcutaneous (SQ) or Intravenous (TV)  
**Growth Properties:** SQ: 15e6 cells minimum, ~1 month to 1500mm<sup>3</sup>  
 TV: 3e6 cells minimum, ~2 months to max  
 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-573. The Childhood Cancer Repository has a matching hypoxic cell line grown at 5% O<sub>2</sub> and 2% O<sub>2</sub> available from this same patient – COG-N-573h and COG-N-573h2.

**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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**Cell Line Name:** COG-N-573x

**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/>





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**PDX Name:** COG-N-573x

**H&E slides**

**FINAL REPORT OF LABORATORY EXAMINATION**

4011 Discovery Drive, Columbia, MO 65201

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**IDEXX BioResearch Case # 4506-2016**

**Received: 2/2/2016**

**Completed: 2/5/2016**

**Submitted By**

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**Specimen Description**

Species: Human

**Purchase Order #: 010216-3**

Number of Specimens/Animals: 1

Client ID	Investigator	Room #	Strain	Date Placed	
COG-N-573x	Dr. C Patrick Reynolds	4C215	NSG	9/9/2015	p1m2

**Services/Tests Performed:** h-IMPACT Profile I

**PCR evaluation for:** EBV, HAdV, Hantaan, HCMV, Hepatitis A, Hepatitis B, Hepatitis C, HHV 6, HHV 8, HIV1, HIV2, HPV16, HPV18, HSV 1, HSV 2, HTLV 1, HTLV 2, LCMV, *Mycoplasma* sp., Seoul, Sin Nombre, VZV

**Summary:** All test results were negative.

## PCR EVALUATION

cells	COG-N-573x
EBV	-
HAdV	-
HCMV	-
Hepatitis A	-
Hepatitis B	-
Hepatitis C	-
HHV 6	-
HHV 8	-
HIV1	-
HIV2	-
HPV16	-
HPV18	-
HSV 1	-
HSV 2	-
HTLV 1	-
HTLV 2	-
VZV	-
Hantaan	-
LCMV	-
<i>Mycoplasma</i> sp.	-
Seoul	-
Sin Nombre	-

Legend: + = positive - = negative id:id = pooled sample range id+id+id = non-range pooled sample NT or blank = no test performed wps = weak positive