

---

## 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 1500mm<sup>3</sup>  
 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% O<sub>2</sub> and 2% O<sub>2</sub> 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.

---

## PDX Data Sheet for COG-N-590x

---

**Cell Line Name:** COG-N-590x

**References:**

---

## PDX Data Sheet for COG-N-590x

---

**PDX Name:** COG-N-590x

**H&E slides**

## FINAL REPORT OF LABORATORY EXAMINATION

4011 Discovery Drive, Columbia, MO 65201

1-800-669-0825 1-573-499-5700

[idxxbioresearch@idexx.com](mailto:idxxbioresearch@idexx.com)[www.idexxbioresearch.com](http://www.idexxbioresearch.com)

IDEXX BioResearch Case # 4507-2016

Received: 2/2/2016

Completed: 2/5/2016

**Submitted By**

Heather Davidson  
Texas Tech University  
HSC Cancer Center  
3601 4th St.  
MS 9445  
Lubbock, TX 79430

Phone: 806-743-2707  
Fax: 806-743-2691  
Email: [heather.davidson@ttuhsc.edu](mailto:heather.davidson@ttuhsc.edu)

**Specimen Description**

Species: Human

Purchase Order #: 010216-4

Number of Specimens/Animals: 1

Client ID	Investigator	Room #	Strain	Date Placed	
COG-N-590x	Dr. C Patrick Reynolds	4C215	NSG	1/11/2016	p1m1

**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-590x
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