Alex's Lemonade Stand
FOUNDATION FOR CHILDHOOD CANCER ™

CHILDREN'S ONCOLOGY GROUP

TEXAS TECH UNIVERSITY
HEALTH SCIENCES CENTER™
School of Medicine
Cancer Center

# Cell Line Data Sheet for COG-N-496

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|---|---|
| **Disease:** | Neuroblastoma |
| **Phase of Therapy:** | Diagnosis |
| **Treatment:** | None |
| **Disease Stage:** | 4 |
| **Gender:** | Female |
| **Age at diagnosis:** | 38.4 months |
| **Race:** | NA |
| **Age at sample collection:** | 38.4 months |
| **Source of Culture:** | Bone marrow November 2013 |
| **Primary Tumor Site:** | N/A |
| **Date Established:** | December 2013 |
| | |
| **MYCN Patient:** | Amplified |
| **MYCN Cell line:** | Amplified |
| **TH mRNA:** | Expressed |
| **p53 functionality:** | NA |
| **Telomere Mechanism:** | TERT NA, C-circle negative |
| **ALK:** | NA |
| **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% $CO_2$, 20% $O_2$, 37.0°C; 5% $CO_2$, 5% $O_2$, 37.0°C; 5% CO2, 2% O2, 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%O2 – 85 hours          5%O2 – 139 hours          2%O2 – 165 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% O2 available from this same patient – COG-N-496h. The Childhood Cancer Repository has a matching hypoxic cell line grown at 2% O2 available from this same patient – COG-N-496h2. The Childhood Cancer Repository has a matching PDX available from this same patient – COG-N-496x.

**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**

Childhood Cancer Repository
Powered by Alex's Lemonade Stand
COG resource Laboratory
www.cccells.org

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# Cell Line Data Sheet for COG-N-496

**Cell Line Name:** COG-N-496

**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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# Cell Line Data Sheet for COG-N-496

**Cell Line Name:**     **COG-N-496**

**Low Confluency (10x Magnification)**        **High Confluency (10x Magnification)**

**Low Confluency (20x Magnification)**        **High Confluency (20x Magnification)**

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