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## Cell Line Data Sheet for NB-1643

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**Cell Line Name:** NB-1643

**Disease:** Neuroblastoma  
**Phase of Therapy:** Diagnosis  
**Treatment:**  
**Disease Stage:** 4  
**Source of Culture:** Solid Tumor  
**Primary Tumor Site:** Retroperitoneal mass  
**Date Established:** July 2015 (surgery April 2015)

**MYCN Status:** Amplified  
**TH expression:** Positive  
**p53 status:**

**Gender:**  
**Age:** 36 months  
**Race:** NA

**Growth Conditions:** Please see Protocols section at <https://www.cccells.org/protocols.php>  
5% CO<sub>2</sub>, 20% O<sub>2</sub>, 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%O<sub>2</sub> – hours  
**Morphology:** Teardrop-shaped cells with processes  
**Growth Properties** Adherent, grow mostly in clusters

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

**Notes:**



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**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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High confluency (10x magnification)

High confluency (20x magnification)