

Colo829 (malignant melanoma)

From: Duke/UNC/UT/EBI ENCODE group

Date: 7/7/11

ATCC: Catalog #CRL-1974

The attached protocol was used for growing Colo829 cells per ATCC instructions.

Cell Biology

ATCC® Number: **CRL-1974™** [Order this Item](#) Price: **\$429.00**

Designations: COLO 829
Depositors: GE Moore
[Biosafety Level:](#) 1
Shipped: frozen
Medium & Serum: [See Propagation](#)
Growth Properties: adherent
Organism: *Homo sapiens* (human)
Morphology: fibroblast

Source: **Organ:** skin
Disease: malignant melanoma

Permits/Forms: In addition to the [MTA](#) mentioned above, other [ATCC and/or regulatory permits](#) may be required for the transfer of this ATCC material. Anyone purchasing ATCC material is ultimately responsible for obtaining the permits. Please [click here](#) for information regarding the specific requirements for shipment to your location.

DNA Profile (STR): Amelogenin: X
CSF1PO: 11
D13S317: 11,12
D16S539: 13
D5S818: 11
D7S820: 8,10
THO1: 10
TPOX: 8,11
vWA: 17,19

Age: 45 years

Gender: male

Ethnicity: Caucasian

Comments: The COLO 829 cell line was established by G.E. Moore from a biopsy specimen taken from a patient prior to chemotherapy for metastatic melanoma.
A cell line was also produced from peripheral blood B cells, and is available as COLO 829BL (ATCC [CRL-1980](#)).
Early passages of COLO 829 still contain a small percentage of melanin producing cells.

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ATCC complete growth medium: The base medium for this cell line is ATCC-formulated RPMI-1640 Medium, Catalog No. 30-2001. To make the complete growth medium, add the following components to the base medium: fetal bovine serum to a final concentration of 10%.

Temperature: 37.0°C

Subcultivation Ratio: A subcultivation ratio of 1:3 to 1:6 is recommended

Medium Renewal: 2 to 3 times per week

Remove medium, and rinse with 0.25% trypsin, 0.03% EDTA solution. Remove the solution and add an additional 1 to 2 ml of trypsin-EDTA solution. Allow the flask to sit at room temperature (or at 37C) until the cells detach. Add fresh culture medium, aspirate and dispense into new culture flasks.

Preservation: culture medium 95%; DMSO, 5%

Related Products: Recommended medium (without the additional supplements or serum described under ATCC Medium):ATCC [30-2001](#)
recommended serum:ATCC [30-2020](#)
normal (or near-normal) cell line established from the same patient:ATCC [CRL-1980](#)

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