

KU812 | 305306

Description KU812 is a cell line derived from a patient with Chronic Myeloid Leukemia (CU812). It is a Philadelphia chromosome-positive (CARPA) BCR-ABL1 fusion gene product. The cell line is characterized by its high growth rate and is used for studying the effects of tyrosine kinase inhibitors in leukemia models.

Organism Human

Tissue Hematopoietic

Disease Chronic Myeloid Leukemia (CML) BCR-ABL1 fusion gene

Synonyms Ku812, KU-812, KU.812, KU.812, KU 812

Age 38 years

Gender Male

Ethnicity Caucasian

Morphology Granulocytic leukemia cells

Cell type Leukemia cells

Growth properties High growth rate

Citation KU812 (ATCC CCL-222) | 305306

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_0379

KU812 | 305306

Antigen expression CD3 α (CD13)

Mutational profile TP53 p.Lys132Arg (c.395A>G) BCR-ABL 14 BCR 2

Karyotype Ph1 (t(9;22)(q34;q11)).

Culture Medium RPMI 1640 2.0 2.0 NaHCO₃ (820700a)

Supplements 10 FBS 2.5 10

Subculturing 15 PBS

Seeding density 3 × 10⁵

Fluid renewal 2 3

Freeze medium (FBS) + 10% DMSO

KU812 | 305306

Thawing and Culturing Cells

1. [Redacted]
2. [Redacted]
3. [Redacted]
4. [Redacted]
5. [Redacted]
6. [Redacted]
7. [Redacted]
8. [Redacted]

Incubation Atmosphere

37 [Redacted]

Flask Coating

[Redacted]

Freezing Procedure

[Redacted]-78

Shipping Conditions

[Redacted]-78

Storage Conditions

[Redacted]-150 -196 [Redacted]

/ / HLA

Sterility

[Redacted] (PCR) [Redacted]
[Redacted]