

**Calu-1 | 300141**

|                    |        |       |    |      |
|--------------------|--------|-------|----|------|
| <b>Description</b> | Calu-1 | NSCLC | 47 |      |
|                    | Calu-1 |       |    | 7 20 |

**Organism**

**Tissue**

**Disease**

**Metastatic site**

**Synonyms** Calu-1 CALU-1 Calu.1 CALU 1 Calu 1 CALU1 Calu1

**Age** 47

**Gender**

**Morphology**

**Cell type**

**Growth properties**

**Citation** Calu-1 Cytion 300141

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_0608

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|                             |                               |               |       |      |        |        |      |         |        |          |       |        |         |     |        |  |
|-----------------------------|-------------------------------|---------------|-------|------|--------|--------|------|---------|--------|----------|-------|--------|---------|-----|--------|--|
| <b>Protein expression</b>   | P53                           |               |       |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Antigen expression</b>   | A Rh+ HLA A10 A11 B15 Bw35    |               |       |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Isoenzymes</b>           | Me-2                          | 1-2           | PGM3  | 1    | PGM1   | 1-2    | ES-D | 1       | AK-1   | 1        | GLO-1 | 1-2    | G6PD    | B   | 0.0359 |  |
| <b>Oncogenes</b>            | K-ras                         |               |       |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Karyotype</b>            | 2S                            | 14.2%         | 62    | M1   | M6     | M7     | M2   | M3      | M4     | M5       |       |        |         |     |        |  |
| <b>Culture Medium</b>       | EMEM                          | MEM           | Eagle | w    | 2 mM   | L-     | w    | 2.2 g/L | NaHCO3 | w        | EBSS  | Cytion | 820100a |     |        |  |
| <b>Supplements</b>          | 10% FBS 1% NEAA               |               |       |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Dissociation Reagent</b> | Accutase                      |               |       |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Subculturing</b>         |                               |               |       | PBS  | T25    | 3-5    | PBS  | T75     | 5-10   | Accutase | T25   | 1-2    | T75     | 2.5 |        |  |
| <b>Seeding density</b>      | $1 \times 10^4 / \text{cm}^2$ | 4             | 90%   |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Fluid renewal</b>        | 2 3                           |               |       |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Post-Thaw Recovery</b>   | <sup>4</sup>                  | $2 \times 10$ | 24    |      |        |        |      |         |        |          |       |        |         |     |        |  |
| <b>Freeze medium</b>        | FBS +10% DMSO                 |               |       | CM-1 | Cytion | 800100 | CM-1 |         |        |          |       | Cytion | 800100  |     |        |  |

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| Thawing and Culturing Cells |         |        |       |     |
|-----------------------------|---------|--------|-------|-----|
| 1.                          |         |        |       |     |
| 2.                          |         | -150°C |       | 3   |
| 3.                          |         | 37°C   | 40-60 |     |
| 4.                          |         |        | 70%   |     |
| 5.                          |         | 8      | 15    |     |
| 6.                          | 300 x g | 3      |       |     |
| 7.                          | 10      |        | T25   | T25 |
| 8.                          |         |        |       |     |

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>

**Flask Coating**

**Freezing Procedure** -78 °C

**Shipping Conditions** -78 °C

**Storage Conditions** -150 -196 -80 °C

/ /HLA

**Sterility** PCR

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**HLA**

**A\***: '26:01:01, '29:02:01

**B\***: '15:01:01, '44:03:01

**C\***: '03:04:01,

**DRB1\***: '07:01:01, '14:04:01

**DQA1\***: '01:04:02, '02:01:01

**DQB1\***: '02:02:01, '05:03:01

**DPB1\***: '04:01:01, '11:01:01

**E**: '01:01:01, '01:03