

REH | 300320

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| Description          | Cell line derived from a patient with B-cell acute lymphoblastic leukemia (ALL) and is characterized by the presence of the BCR-ABL1 fusion gene. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. The cell line is designated as REH 300320 and is a B-ALL cell line. |
| Organism             | Human                                                                                                                                                                                                                                                                                                                                                |
| Tissue               | Leukemia                                                                                                                                                                                                                                                                                                                                             |
| Disease              | B-cell acute lymphoblastic leukemia (ALL)                                                                                                                                                                                                                                                                                                            |
| Synonyms             | REH                                                                                                                                                                                                                                                                                                                                                  |
| Age                  | 15 years                                                                                                                                                                                                                                                                                                                                             |
| Gender               | Male                                                                                                                                                                                                                                                                                                                                                 |
| Ethnicity            | Chinese                                                                                                                                                                                                                                                                                                                                              |
| Morphology           | Leukemic cells                                                                                                                                                                                                                                                                                                                                       |
| Cell type            | Leukemic cells                                                                                                                                                                                                                                                                                                                                       |
| Growth properties    | Leukemic cells                                                                                                                                                                                                                                                                                                                                       |
| Citation             | REH (B-cell acute lymphoblastic leukemia 300320)                                                                                                                                                                                                                                                                                                     |
| Biosafety level      | 1                                                                                                                                                                                                                                                                                                                                                    |
| NCBI_TaxID           | 9606                                                                                                                                                                                                                                                                                                                                                 |
| CellosaurusAccession | CVCL_1650                                                                                                                                                                                                                                                                                                                                            |

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| Antigen expression | CD3 (17%) CD4 (15%) CD8 (55%) CD20+ CD45+ CD45RO+ |
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| Culture Medium | RPMI 1640 + 2.0 mM Glucose + 2.0 mM NaHCO <sub>3</sub> (Cytion Cat# 820700a + 10% FBS) |
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| Supplements | 10% FBS |
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| Dissociation Reagent | Trypsin |
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| Subculturing | 5 × 10 <sup>5</sup> cells |
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| Split ratio | 1:2 |
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| Fluid renewal | 2-3 times per week |
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| Freeze medium | 10% FBS + 10% DMSO |
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Thawing and Culturing Cells

1. Thaw cells quickly in a 37°C water bath.
2. Add cells to 10 ml of culture medium.
3. Centrifuge cells at 300 × g for 5 min.
4. Resuspend cells in 10 ml of culture medium.
5. Seed cells into a 25 cm<sup>2</sup> flask.
6. Incubate cells for 24-48 hours.
7. Check cell morphology and confluency.
8. Perform a cell count.

Product sheet

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| Incubation Atmosphere | 37 °C, 5% CO <sub>2</sub> , humidified |
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Flask Coating      CellStim

|                     |                                                           |
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| Shipping Conditions | Store at -78 °C. Ship on dry ice. Do not thaw before use. |
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Storage Conditions      Store at -150 °C to -196 °C. Do not thaw before use.

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| Sterility | Tested and certified sterile (PCR). No mycoplasma contamination detected. |
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- STR:** SF1PO: 12/13  
**D13S317:** 11/12/13  
**D16S539:** 9/10/13  
**D5S818:** 11/12/13  
**D7S820:** 9/11  
**TH01:** 7  
**TPOX:** 8  
**vWA:** 14/15  
**D3S1358:** 18  
**D21S11:** 18  
**D18S51:** 10/13/14  
**Penta E:** 10/11  
**Penta D:** 9/10/12  
**D8S1179:** 13/16  
**FGA:** 22/23/24

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| HLA | A*: &#x27;23:01:01&#x27;32:01:01<br>B*: &#x27;35:02:01&#x27;50:01:01<br>C*: '04:01:01, '06:02:01<br>DRB1*: &#x27;11:01:01&#x27;12:01:01<br>DQA1*: '05:05:01<br>DQB1*: '03:01:01<br>DPB1*: '04:01:01:01g, '04:02:01g<br>E: '01:01:01, '01:03:05 |
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