

REH | 300320

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Description	REH is a cell line derived from a patient with B-ALL (ALL) who was 15 years old at the time of diagnosis. The patient was treated with standard therapy and achieved remission. The cell line was established from the patient's bone marrow 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 a continuous culture and is used for research purposes.
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Organism	Human
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Tissue	Bone marrow
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Disease	B-ALL (ALL)
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Synonyms	REH
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Age	15 years
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Gender	Male
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Ethnicity	Chinese
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Morphology	Adherent cells
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Cell type	B-ALL
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Growth properties	Continuous culture
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Citation	REH (B-ALL) Cytion 300320
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Biosafety level	1
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NCBI_TaxID	9606
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CellosaurusAccession	CVCL_1650
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REH-300320

Antigen expression

CD3 A (17%) B (17%) C (20%), CD4 (15%), CD10 (55%), CD20+, HLA-DR+, CALLA+

REH

Culture Medium

RPMI 1640, w: 2.0 mM β -mercaptoethanol, w: 2.0 g/L NaHCO₃ (Cytion 820700a)

Supplements

10% FBS

Dissociation Reagent

Trypsin

Subculturing

5-6 x 10⁵ cells per well in 5 x 10

Split ratio

1:2 or 1:4

Fluid renewal

2-3 times per week

Freeze medium

10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells quickly in a 37°C water bath, transfer to a sterile tube, and add 10 ml of complete medium.
2. Centrifuge at 300 x g for 5 minutes, remove supernatant, and resuspend in 1 ml of complete medium.
3. Seed cells into a 24-well plate (50,000 cells per well) or a 96-well plate (10,000 cells per well).
4. Incubate for 24-48 hours at 37°C in 5% CO₂.
5. Check for cell attachment and morphology.
6. Perform a cell count and viability assay.
7. Expand cells into larger flasks or plates.
8. Cryopreserve cells for long-term storage.

Product sheet

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Incubation
Atmosphere

37°C, 5%_{CO2}, O_2 $\leq 0.03\%$

Flask Coating

Non-adherent

Shipping
Conditions

Refrigerated (2-8°C) or frozen (-78°C) shipping is possible. Please contact your local distributor for details.

Storage
Conditions

Refrigerated (2-8°C) or frozen (-78°C) storage is possible. Please contact your local distributor for details.

Genotyping: STR, SNP, HLA

Sterility

PCR ready: Yes, for all applications (STR, SNP, HLA, etc.)

Cell ready: No, for all applications (STR, SNP, HLA, etc.)

STR

CSF1PO: 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

HLA

A*: 01:01, 01:02, 01:03, 01:04, 01:05, 01:06, 01:07, 01:08, 01:09, 01:10, 01:11, 01:12, 01:13, 01:14, 01:15, 01:16, 01:17, 01:18, 01:19, 01:20, 01:21, 01:22, 01:23, 01:24, 01:25, 01:26, 01:27, 01:28, 01:29, 01:30, 01:31, 01:32, 01:33, 01:34, 01:35, 01:36, 01:37, 01:38, 01:39, 01:40, 01:41, 01:42, 01:43, 01:44, 01:45, 01:46, 01:47, 01:48, 01:49, 01:50, 01:51, 01:52, 01:53, 01:54, 01:55, 01:56, 01:57, 01:58, 01:59, 01:60, 01:61, 01:62, 01:63, 01:64, 01:65, 01:66, 01:67, 01:68, 01:69, 01:70, 01:71, 01:72, 01:73, 01:74, 01:75, 01:76, 01:77, 01:78, 01:79, 01:80, 01:81, 01:82, 01:83, 01:84, 01:85, 01:86, 01:87, 01:88, 01:89, 01:90, 01:91, 01:92, 01:93, 01:94, 01:95, 01:96, 01:97, 01:98, 01:99, 01:100
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