

Product sheet

RD-ES | 300410

General information

Description	RD-ES (G. Marshall & M. Kirchen) is a cell line derived from a patient with relapsed diffuse large B-cell lymphoma (DLBCL). The cell line is established from a primary tumor sample and is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin (P/S). The cell line is characterized by its high proliferation rate and its ability to form spheroids in suspension culture.
Organism	Human
Tissue	DLBCL
Disease	Relapsed DLBCL
Synonyms	RDES, RDES-1

Cell characteristics

Age	19 years
Gender	Male
Ethnicity	White
Morphology	Large B-cells
Growth properties	Exponential growth, high proliferation rate

Cell line identification

Citation	RD-ES (G. Marshall & M. Kirchen) Cytion 300410
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_2169

Antigen expression

Antigen expression	CD19, CD20, Rh+
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Isoenzymes G6PD, B, PGM1, 1-2, PGM3, 1, ES-D, 1, Me-2, 1-2, AK-1, 1, GLO-1, 1-2, ~~Glucose 6-phosphate dehydrogenase~~ 0.0359

Characteristics

Culture Medium RPMI 1640, w: 2.0 mM ~~glutamine~~, w: 2.0 g/L NaHCO₃ (~~glutamine~~ ~~glutamine~~ Cytion 820700a)

Supplements ~~Glutamine~~ 10% FBS

Dissociation Reagent ~~Trypsin~~

Subculturing ~~Cells are maintained in RPMI 1640 medium supplemented with 10% FBS and 2 mM glutamine. For subculturing, cells are trypsinized and seeded into new flasks at a density of 1-3 x 10⁵ cells per flask. The medium is replaced every 3-5 days.~~

Split ratio ~~Cells are split at a ratio of 1:3 to 1:8.~~

Fluid renewal 2 x 3 ~~times per week~~

Freeze medium ~~Cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO. The medium is replaced every 3-5 days.~~

Thawing and Culturing Cells

1. ~~Cells are thawed in a water bath at 37°C and seeded into a new flask.~~
2. ~~Cells are allowed to attach to the flask and the medium is replaced after 24 hours.~~
3. ~~Cells are maintained in RPMI 1640 medium supplemented with 10% FBS and 2 mM glutamine.~~
4. ~~Cells are split at a ratio of 1:3 to 1:8.~~
5. ~~Cells are maintained in RPMI 1640 medium supplemented with 10% FBS and 2 mM glutamine.~~
6. ~~Cells are maintained in RPMI 1640 medium supplemented with 10% FBS and 2 mM glutamine.~~
7. ~~Cells are maintained in RPMI 1640 medium supplemented with 10% FBS and 2 mM glutamine.~~
8. ~~Cells are maintained in RPMI 1640 medium supplemented with 10% FBS and 2 mM glutamine.~~

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37°C, 5% CO₂,

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[illegible][illegible]

CSF1PO: 11,11

D13S317: 11,12

D16S539: 9,11

D5S818: 11,11

D7S820: 10,1

TH01: 7,7

TPOX: 9,11

vWA: 17,17

D3S1358: 15,15

D21S11: 28,28

D18S51: 14,18

Penta E: 11,13

Penta D: 9,12

D8S1179: 13,13

FGA: 21,25