

### Human wild-type K-562 cell line ab275469

#### Overview

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<b>Product name</b>	Human wild-type K-562 cell line
<b>Parental Cell Line</b>	K562
<b>Organism</b>	Human
<b>Passage number</b>	<20
<b>Biosafety level</b>	1
<b>General notes</b>	<b>Wild-type cell lines are sold with knockout cell lines only - not available for individual purchase.</b>

**Cryopreservation cell medium:** Cell Freezing Medium-DMSO Serum free media, contains 8.7% DMSO in MEM supplemented with methyl cellulose.

**Culture medium:** IMDM + 10% FBS

**Initial handling guidelines:** Upon arrival, the vial should be stored in liquid nitrogen vapor phase and not at -80°C. Storage at -80°C may result in loss of viability.

1. Thaw the vial in 37°C water for bath approximately 1-2 minutes.
2. Transfer the cell suspension (0.8 mL) to a 15 mL/50 mL conical sterile polypropylene centrifuge tube containing 8.4 mL pre-warmed culture medium, wash vial with an additional 0.8 mL culture medium (total volume 10 mL) to collect remaining cells, and centrifuge at 201 x g (rcf) for 5 minutes at room temperature. 10 mL represents minimum recommended dilution. 20 mL represents maximum recommended dilution.
3. Resuspend the cell pellet in 5 mL pre-warmed culture medium and count using a haemocytometer or alternative cell counting method. Based on cell count, seed cells in an appropriate cell culture flask at a density of  $1 \times 10^5$  cells/mL. Seeding density is given as a guide only and should be scaled to align with individual lab schedules.
4. Incubate the culture at 37°C incubator with 5% CO<sub>2</sub>. Cultures should be monitored daily.

**Subculture guidelines:**

All seeding densities should be based on cell counts gained by established methods.

A guide seeding density of  $1 \times 10^5$  cells/mL is recommended.

Subculture when cells reach  $1 \times 10^6$ .

We will provide viable cells that proliferate on revival.

#### Properties

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<b>Number of cells</b>	$1 \times 10^6$ cells/vial, 1 mL
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<b>Adherent /Suspension</b>	Suspension
<b>Tissue</b>	Blood
<b>Cell type</b>	erythroleukemia
<b>Disease</b>	Chronic Myelogenous Leukemia
<b>Gender</b>	Female
<b>Mycoplasma free</b>	Yes
<b>Storage instructions</b>	Shipped on Dry Ice. Store in liquid nitrogen.
<b>Storage buffer</b>	Constituents: 8.7% Dimethylsulfoxide, 2% Cellulose, methyl ether

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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