Cell Line Designation: WIL2-S

AddexBio Catalog No. C0003018

Cell Line Description:

Disease: Hereditary spherocytosis

Origin: This is a HAT sensitive variant of the WIL2 human B cell line.

Species: Homo sapiens, human

Tissue: Spleen

Properties: Suspension, singly or in clumps

Patient: Male, 5 yrs of age, Caucasian

Complete Medium: Formulated RPMI-1640 (C0004-01) + 10% FBS

Subculture Procedure: Cultures can be maintained by the addition or replacement of fresh medium. Replacement of fresh medium will promote better growth. Start new cultures at 2 X 10^5 viable cells/ml and maintain between 1x10^5 and 1x10^6 cells/mL. Subculture at 1 X 10^6 cells/ml. Cells should be cultured at 37°C, with 5% CO_2.

Medium Renewal: Every 2 days.

Freezing Medium: Complete culture medium supplemented with 5% (v/v) DMSO

Additional Information: Additional product and technical information can be obtained from the catalog references and the Addexbio Technical Information site at www.addexbio.com, or by email at customersupport@addexbio.com.

Biosafety Level: 2 [Cells contain Epstein-Barr virus]

Appropriate safety procedures should always be used with this material. laboratory safety is discussed in the following publication: Biosafety in Microbiological and Biomedical Laboratories, 5th ed. HHS Publication No. (CDC) 93-8395. U.S. Department of Health and

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AddexBio Technologies
4907 Morena Blvd, Ste 1408
San Diego, CA 92117 USA

858-348-7819
Fax: 858-538-8847
Email:customersupport@addexbio.com
www.addexbio.com

Human Services, Centers for Disease Control and Prevention. Washington DC: U.S. Government Printing Office; 2007. The entire text is also available online at www.cdc.gov/od/ohs/biosafty/bmbl4/bmbl4toc.htm

Use Restrictions:

These cells are distributed for research purposes only. Addexbio does not recommend third party distribution of this cell line, as this practice has resulted in the unintentional spreading of contaminated cell lines.

Handling Procedure for Frozen Cells:

To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt. If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapor phase and not at -70°C. Storage at -70°C will result in loss of viability.

Safety Precaution:

AddexBio highly recommends that protective gloves and clothing always be used and a full face mask always be worn when handling frozen vials. It is important to note that some vials leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vessel exploding or blowing off its cap with dangerous force creating flying debris.

1. Thaw the vial by gentle agitation in a 37°C water bath. To reduce the possibility of contamination, keep the O-ring and cap out of water. Thawing should be rapid (approximately 2 minutes).

2. Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by dipping in or spraying with 70% ethanol. All of the operations from this point on should be carried out under strict aseptic conditions.

3. Transfer the vial contents to the centrifuge tube containing 9.0 mL complete culture medium and spin at approximately 125xg for 5 to 7 minutes.

4. Resuspend cell pellet with the recommended complete medium and dispense into a new culture flask. It is important to avoid excessive alkalinity of the medium during recovery of the cells. It is suggested that, prior to the addition of the vial contents, the culture vessel containing the complete growth medium be placed into the incubator for at least 15 minutes to allow the medium to reach its normal pH (7.0-7.6).

5. Incubate the culture at 37°C in a suitable incubator. A 5% CO_2 in air atmosphere is recommended.

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Lot Specific Information Sheet for AddexBio Cat #: C0003018

Lot Number: 0038988

Designation: WIL2-S CELLS

Total Cells/mL: >2.0x10^6

Expected Viability: 75%

Ampule Passage #: 17

Dilute Ampule Content: 1:10 (T-25) or 1:15 (T-75)

Volume/Ampule: 1 mL

A T-25 setup at a seeding density of 2.0x10^6 viable cells/mL is ready to subculture in 2-3 days.

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