Please read this FIRST

Storage Temp.
liquid nitrogen
vapor phase

Biosafety Level

Organism: Homo sapiens, human
Isotype: IgM
Disease: Burkitt's lymphoma (American)
Cell Type: B lymphocyte
Age: 3 years
Gender: male
Morphology: lymphoblast
Growth Properties: suspension

DNA Profile:
Amelogenin: X
CSF1PO: 10.11
D13S317: 13
D16S539: 10.13
D5S818: 7.12
D7S820: 11
TH01: 7.9.3
TPOX: 8.9
vWA: 15.16

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Ramos.2G6.4C10 (ATCC® CRL-1923™)

Unpacking & Storage Instructions

1. Check all containers for leakage or breakage.
2. Remove the frozen cells from the dry ice packaging and immediately place the cells at a temperature below -130°C, preferably in liquid nitrogen vapor, until ready for use.

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.

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 the 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 a centrifuge tube containing 9.0 mL complete growth medium and spin at approximately 125 x g for 5 to 7 minutes.
4. Resuspend cell pellet with the recommended complete growth medium (see the specific batch information for the culture recommended dilution ratio). and dispense into a 25 cm² or a 75 cm² culture flask
5. Incubate the culture at 37°C in a suitable incubator. A 5% CO₂ in air atmosphere is recommended if using the medium described on this product sheet.

Handling Procedure for Flask Cultures

The flask was seeded with cells (see specific batch information), grown, and completely filled with medium at ATCC to prevent loss of cells during shipping.

1. Upon receipt visually examine the culture for macroscopic evidence of any microbial contamination. Using an inverted microscope (preferably equipped with phase-contrast optics), carefully check for any evidence of microbial contamination
2. Incubate the flask in an upright position for several hours at 37°C. After the temperature has
equilibrated, aseptically remove the entire contents of the flask and centrifuge at 125 x g for 5 to 10 minutes. Remove shipping medium and save for reuse. Resuspend the cell pellet in 10 mL of this medium.
3. From this cell suspension remove a sample for a cell count and viability. Adjust the cell density of the suspension to 2-5 x 10⁵ viable cells/mL in the shipping medium.
4. Incubate the culture, horizontally, at 37°C in a 5% CO₂ in air atmosphere. Maintain the cell density of the culture as suggested under the subculture procedure.

### Subculturing Procedure

Cultures can be maintained by addition or replacement of fresh medium. Establish new cultures at 5 x 10⁵ viable cells/mL and maintain between 1 and 2 x 10⁶ cells/mL.

**Medium Renewal:** Add fresh medium every 4 to 6 days (depending on cell density)

### Cryopreservation Medium

Complete culture medium described above supplemented with 7.5% (v/v) DMSO. Cell culture tested DMSO is available as ATCC Catalog No. 4-X.

### Comments

Both the parental line (ATCC CRL-1596) and the derivative cell line Ramos.2G6.4C10 (ATCC CRL-1923) have about 1500 IL-4 binding sites per cell.

### References

References and other information relating to this product are available online at www.atcc.org.

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the Biosafety in Microbiological and Biomedical Laboratories from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

### ATCC Warranty

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Additional information on this culture is available on the ATCC web site at www.atcc.org.