Suspension

Incubate the culture, horizontally, at 37°C in a 5% CO₂ atmosphere. Maintain the cell density of the suspension to 1 x 10⁴ viable cells/ml in the shipping medium.

Cultures can be maintained by addition or replacement of fresh medium. Subculture every two days at 2.5 X
10^4 viable cells/mL.

**Medium Renewal**: Add fresh medium at the time of subculture

### Cryopreservation Medium

Complete culture medium described above supplemented with 5% (v/v) DMSO. Cell culture tested DMSO is available as ATCC Catalog No. 4-X.

### Comments

The cells are responsive to both interleukin 3 (interleukin-3, IL-3) and macrophage colony stimulating factor (M-CSF).
The cells contain a truncated c-myb proto-oncogene caused by integration of a retrovirus.

### References

References and other information relating to this product are available online at [www.atcc.org](http://www.atcc.org).

### ATCC Warranty

ATCC® products are warranted for 30 days from the date of shipment, and this warranty is valid only if the product is stored and handled according to the information included on this product information sheet. If the ATCC® product is a living cell or microorganism, ATCC lists the media formulation that has been found to be effective for this product. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this product. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

### Disclaimers

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Complete Growth Medium

The base medium for this cell line is ATCC-formulated RPMI-1640 Medium, Catalog No. 30-2001. To make the complete growth medium, add the following components to the base medium:

- 0.05 mM 2-mercaptoethanol
- 62 ng/ml human recombinant macrophage colony stimulating factor (M-CSF)
- Fetal bovine serum to a final concentration of 10%.

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: M-NFS-60 (ATCC® CRL-1838™)