

## hFOB 1.19

**Catalog No: tcel353**



### Available Sizes

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**Size:** 1×10<sup>6</sup>cells/t25culturebottle

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### Specifications

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#### **Application:**

The cells provide a homogenous, rapidly proliferating model system for studying normal human osteoblast differentiation, osteoblast physiology, and hormonal, growth factor, and other cytokine effects on osteoblast function and differentiation.

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#### **Subculturing:**

Remove and discard culture medium. Briefly rinse the cell layer with DPBS solution to remove all traces of serum that contains trypsin inhibitor. Add 1.0 to 2.0 mL of Trypsin-EDTA solution to flask and observe cells under an inverted microscope until cell layer is dispersed (usually within 2 to 3 minutes). Cells that are difficult to detach may be placed at 37°C to facilitate dispersal. Add 4.0 to 6.0 mL of complete growth medium and aspirate cells by gently pipetting. Add appropriate aliquots of the cell suspension to new culture vessels.

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### **Product Description**

Cells grown at a permissive temperature of 33.5°C exhibit rapid cell division(Doubling time of 36 hrs), whereas little cell division occurs at a restrictive temperature of 39.5°C(Doubling time of 96 hrs).The cells have the ability to differentiate into mature osteoblasts expressing the normal osteoblast phenotype. At the restrictive temperatures, cell division is slowed, differentiation increases, and a more mature osteoblast phenotype is produced.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!