



## ***Mouse Hematopoietic Stem Cell Expansion Cytokine Panel***

### ***Catalog #: SMPK9***

<b>Component</b>	<b>Catalog #</b>	<b>Amount Provided*</b>
Mouse Flt-3 Ligand	<a href="#">427-FL</a>	100 µg
Mouse SCF	<a href="#">455-MC</a>	100 µg
Mouse Tpo	<a href="#">488-TO</a>	100 µg

\*Sufficient for 1 liter of media.

### ***Mouse Cytokine Panel for Hematopoietic Stem Cell Expansion***

Hematopoietic stem cells (HSC) are well-characterized tissue-specific stem cells that exhibit remarkable self-renewal capacity and are responsible for the life-long maintenance of the hematopoietic system. HSC are rare cells that reside in adult bone marrow where hematopoiesis is continuously taking place. They can also be found in cord blood, fetal liver, adult spleen and peripheral blood. Many HSC studies rely on *ex vivo* expansion of HSC in culture. The combined use of multiple cytokines, Flt-3 ligand, SCF and Tpo, permits the *ex vivo* expansion of HSC.