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## Details view

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### Knowhow offering

Title	A Composition Useful In Developing An Artificial Bone Marrow- Like Environment
Knowhow is available for	A composition that assists in developing an artificial bone marrow-like environment where blood cell formation can be enhanced and regulated.
Summary	Artificial bone marrow microenvironment (ABME) platform for enhancing and regulating in-vitro and in- vivo formation of stem cells. ABME technology determines the quality and potency of stem cells. Technology can be incorporated into high throughput and micro-fluidic devices for drug screening and in-vitro toxicology testing. Technology can be used as a platform for rapid quality control testing of human cord blood cells in umbilical cord blood (UCB) banking for progressive quality monitoring of cryo-preserved stem cells.
Advantages	(1) Stimulation of endogenous stem cell pool in bone marrow failure syndromes (2) Accelerating engraftment of stem cells in Stem Cell & Bone Marrow Transplant therapies (3) The method is expected to bring down high expenses involved in bone marrow transplantation by reducing post-transplant hospital care, and allowing generation of expanded populations of blood cell-forming stem cells in a test-tube for use in treatment.

### Knowhow is listed under following categories

Knowhow from	
Scientific/ engineering subject areas	<b>Life sciences/ biosciences &amp; engineering</b>
Investor interest categories	<b>Biotechnology/ Biomedical/ Health Technologies</b>
Industries	<b>Medical Biotechnology, Biomed Products, Medical Healthcare, Diagnostics ;</b>