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New/sbites August 2014

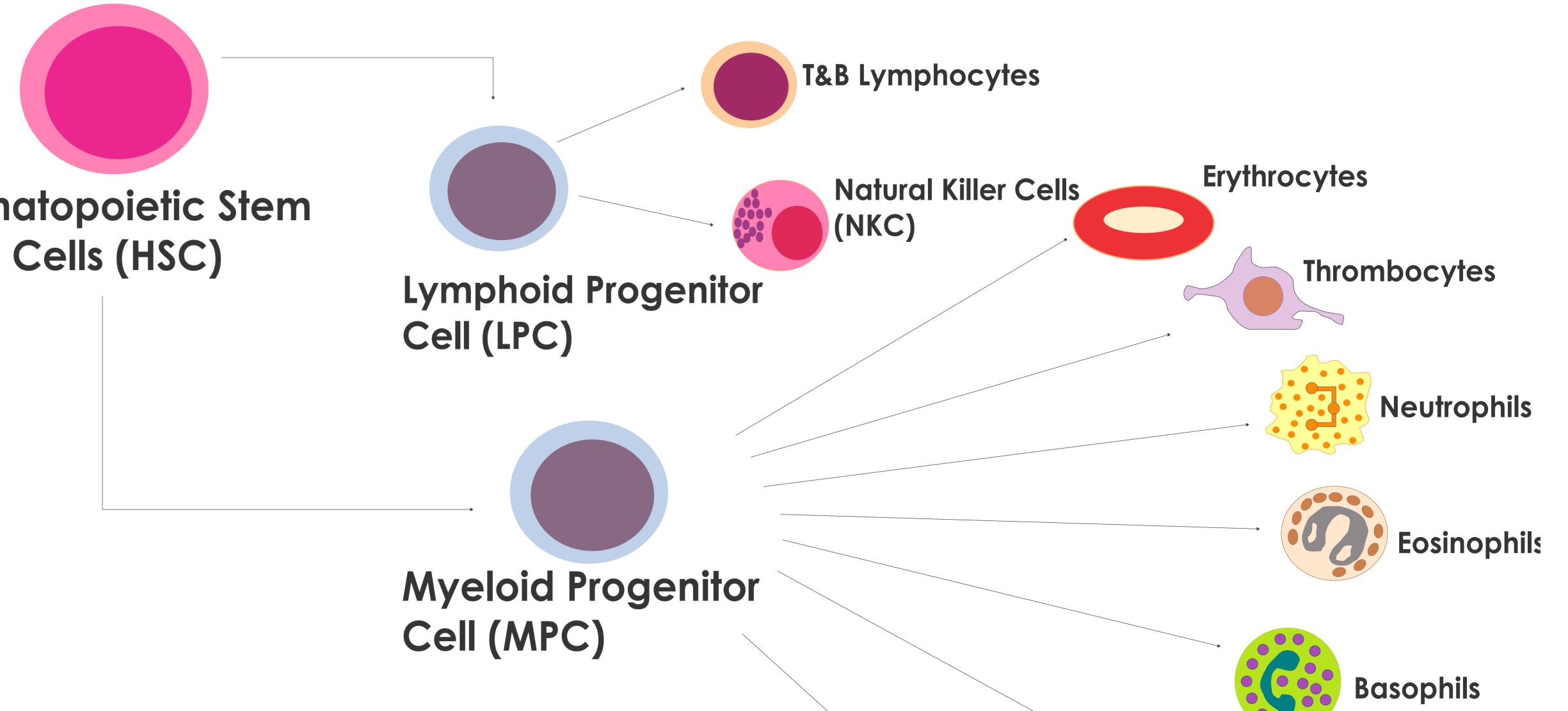
introduction to CFU

CFU [Colony Forming Unit Assay] is the only test that helps determine the differentiation capacity of Umbilical Cord Blood Haematopoietic Stem cells [UCB HSCs]. The test is to be performed on the sample obtained, prior to cryopreservation as per the guidelines set by AABB & FACTNETCORD. It is performed by culturing haematopoietic cells in special medium and counting the number of colonies produced by different sub-types of CFUs 14 days later.

This assay aims to determine the usability and potency of the UCB HSCs in order for them to perform their regular function of

DIFFERENTIATION [turning] into several cell types like RBCs, WBCS, granulocyte, erythrocyte, macrophage, T-cells. B cells etc.

Since the purpose of umbilical cord blood banking is to cryopreserve viable & potent Hematopoietic Stem stem cells for future stem cell transplantation [for existing & predictable diseases], it is very important to know the differentiation capacity of Cord Blood Unit that is being cryopreserved. Without knowing whether these stem cells can differentiate into leukoid [CLP] or myeloid [CMP] colonies there is no point of cryopreservation.



Keep in touch	Babycell is the first and only cord blood bank
babycell.in	in India that performs this in-vitro assay at the time of cryopreservation. Because cord blood is left frozen for a significant period before Mastocytes
info@babycell.in	being thawed and infused (readying the sample for transplantation), its functional quality after thawing cannot be guaranteed even if it had adequate cell numbers. Several reports point out that CFU at the
[] 1800-209-0309	time of retrieval had yielded unfavorable results due to which stem cell transplantation treatment could not be performed for child or adult patient.
+91 22 6733 0300	As per AABB and FACTNETCORD, Cord blood characteristics must be obtained prior to cryopreservation which includes CD34 test and CFU.
SMS 'Babycell' to 56677 Follow us	The CFU assay requires about 2 weeks of culture, and this time-consuming procedure therefore might be less attractive for banks who do not want to pay attention to quality. Even though Indian Govt. guidelines do not recommend this test, Babycell ensures that all clients get CFU at the time of preservation inspite of it being expensive. Babycell has a dedicated area in the Lab and a specially trained team to perform this test.
Like us	Tests like CD34+ cell count & viability testing only help identify the count of UCB HSCs and their viability. It is not a replacement for CFU assay. There are chances that enough HSCs are present but the cells may not have the capability for differentiation.
	Abbreviations: CFU: Colony Forming Unit UCB HSCs: Umbilical Cord Blood Haematopoietic Stem cells AABB: American Association of Blood Bank FACTNETCORD: Foundation for the Accreditations of Cellular Therapies
	Freedom from 80+ diseases



Wishing You Happy Independence Day and Freedom from 80+ diseases

80+ blood conditions including leukemia have already been treated with cord blood stem cells. Join the other blessed children who have their stem cells preserved with Babycell.

Mother Care Forum- Surat

Parents-to-be from the city of Surat, Gujarat got a chance to interact with experts from the field of ante-natal care and gynaecology at the Mother Care Forum held on July 13, 2014. It was a great experience for all mommies-to-be who got to discuss and clarify queries about nutrition, breast feeding and other pregnancy related topics. Babycell's trademark belly dancing session added an extra bit of fun to the whole event.







Mummy & Tummy Sessions

Mummy & Tummy Sessions conducted across various cities in India.



New centre in Vashi

Why parents choose Babycell



After knowing the importance of these miracle cells, we thought of getting stem cells stored. We had heard about Babycell from our acquaintances and decided to avail their services. It turned to be a good decision as they were prompt to our needs!! We are impressed by their professionalism & expertise. One of the best things about Babycell is their post sales services like the 'New born screening test' that they had provided for our new born babies, Aamya and Avin. The online post-natal sessions for mothers were helpful too. We can completely rely on Babycell for any advice in the future!!

Thank you Babycell.

Mr. & Mrs. Anand, Mumbai