

Supplementary Materials: Long-Term Human Hematopoietic Stem Cell Culture in Microdroplets

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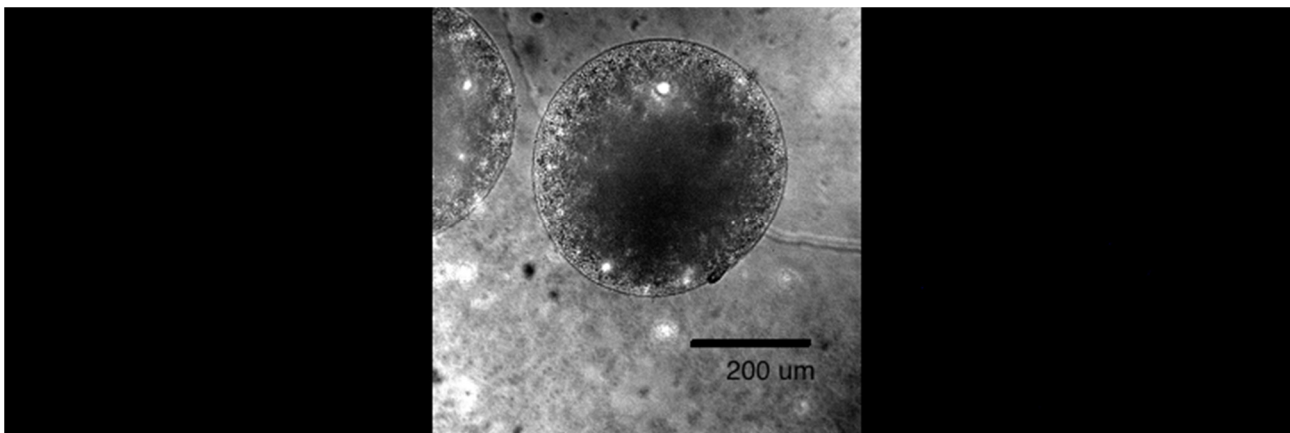


Figure S1. Confocal Microscopy a 3-channel (green, bright field and blue channel) picture of an extracted bead containing an inner core of alginate (1.6% wt) containing 24 millions per ml hMSCs cells and an empty outer layer (without cells) incubated for 30 min with FITC-CD34+ and DAPI.

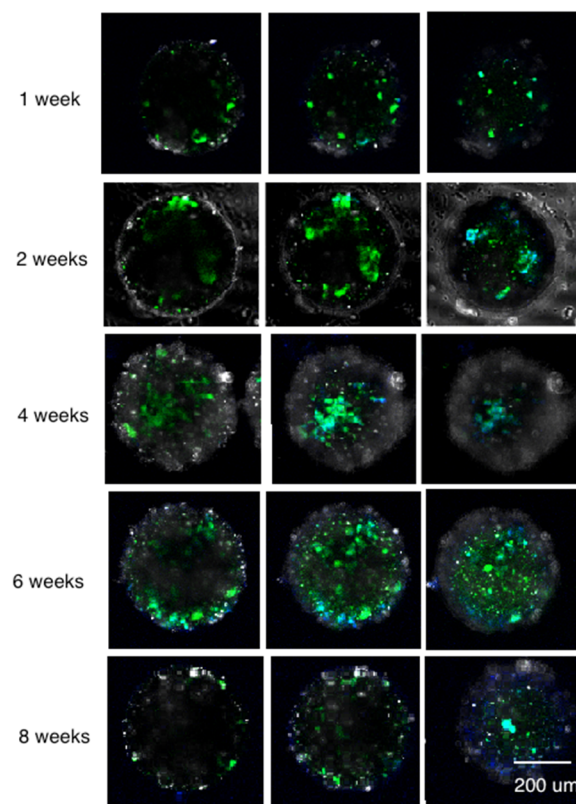


Figure S2. Confocal Microscopy Z-plane pictures of extracted beads containing an inner core of alginate (1.6% wt) containing hMSCs cells and an outer layer of hHSCs incubated for 30 min with FITC-CD34+ and DAPI for 1,2,4,6 and 8 weeks time culture.

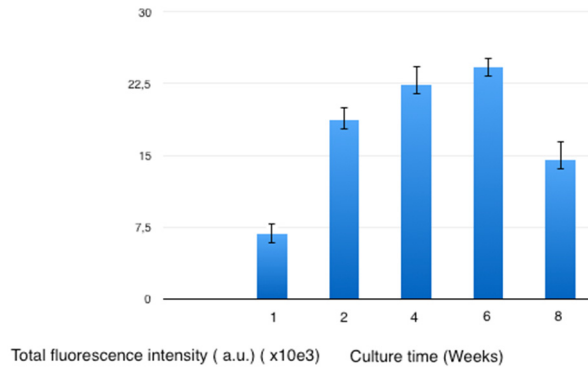


Figure S3. Total fluorescence analysis of the green channel corresponding to weeks 1,2,4,6 and 8 and for extracted beads containing an inner core of alginate (1.6% wt) containing hMSCs cells and an outer layer of hHSCs incubated for 30 min with FITC-CD34+ and DAPI for 1,2,4,6 and 8 weeks time culture.

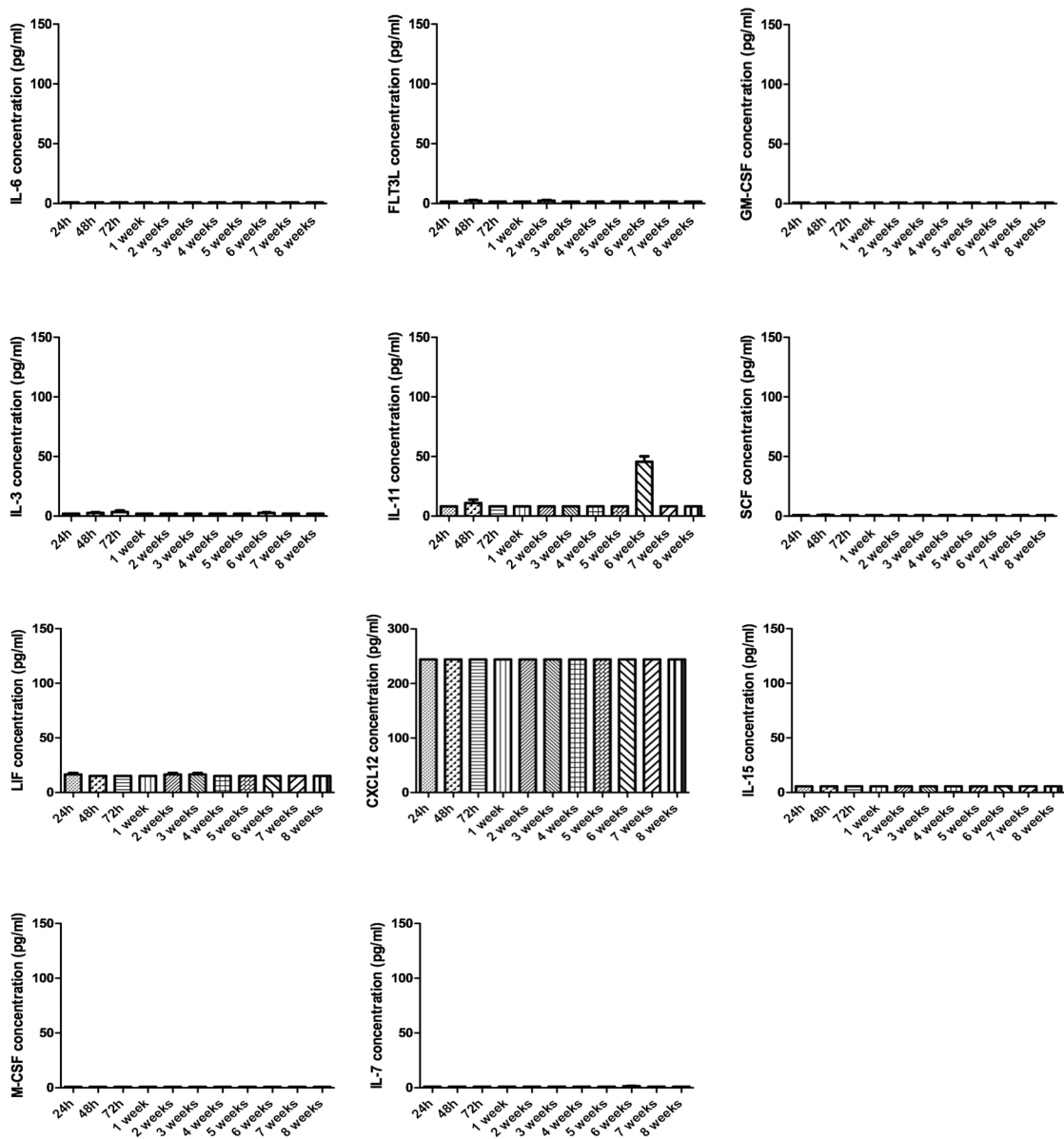


Figure S4. Cytokine kit (Legenplex, human Hematopoietic stem cell panel, Biologend) concentration analysis in double layered hHSC-hMSC beads culture media and culture time up to 8 weeks.