

ABSTRACT

System for cell culture in a bioreactor

The invention relates to a bioreactor cell culture system comprising a closed chamber containing a plurality of suspended cell microcompartments, wherein the microcompartments
5 each comprise an outer hydrogel layer providing a cavity containing a set of self-organized cells and extracellular matrix or an extracellular matrix substitute. The invention further relates to the use of such bioreactors to produce cells and/or organoids, and/or molecules and/or complex molecular assemblies,

10 [No Suitable Figure]