

Method of dynamically culturing embryonic stem cells (Technion)

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The present invention is a method for dynamically generating human embryoid bodies (hEBs) that can be used for generating lineage-specific cells and cell lines. All potential applications depend on the availability of a controlled scalable bioprocess of the differentiated cells. The present invention describes the formation of hEBs in dynamic systems, and discloses simple, culture-specific conditions that allow the formation of hEBs. The initial event participants in the developing hEBs did not change when moved from their conventional culture to dynamic systems, indicating the possibility of simple scalable cell production in a well-defined dynamic environment for clinical and industrial applications.

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