

Kits for 3D cell culture, 3/13:74

MidSci's Bio-Assembler kits use magnetic levitation to culture cells in three dimensions. Available in single-, six-, and 24-well configurations, the kits supply magnetic drivers, low-binding dishes/ plates, and Nanoshuttle-PL solution in quantities and volumes appropriate to kit size.

Nanoshuttle-PL solution delivers magnetic nanoparticles to cells. The magnetic driver that nests on top of the dish/plate then levitates the cells to create a 3D environment. Using the Bio-Assembler kits is as easy as performing standard 2D cell culture plating and propagation.

Culturing cells in 3D facilitates rapid formation of floating, yet connected, scaffold-like structures with cell-cell interactions, thus providing a more accurate representation of tissue functionality in vivo. The process is compatible with virtually any cell type, including primary and stem cells; with any media type; and with standard culturing protocols and diagnostic techniques. The process is applicable to invasion studies and tissue engineering.

Bio-Assembler kits are available from MidSci through an agreement with n3D Biosciences.

[MidSci](#), 800-227-9997