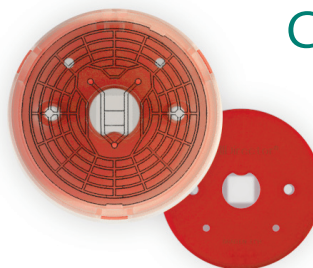


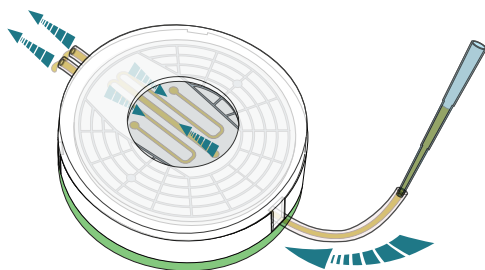
## CellDirector® 2D

Chemotaxis experiments towards instantly formed gradients in 2D cell cultures



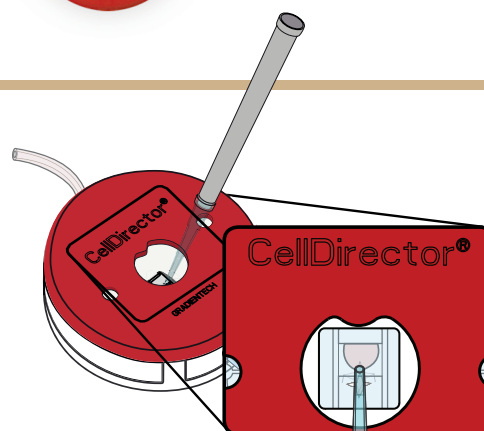
## CellDirector® 3D

Advanced chemotaxis and morphogenesis experiments in 3D cell cultures

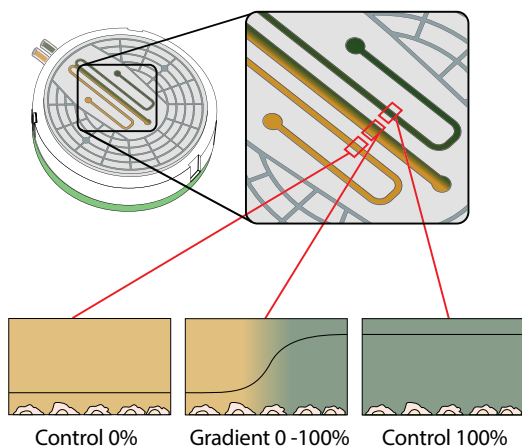


### Loading of cells

Cells are seeded by injecting the cell suspension through the single outlet tube.



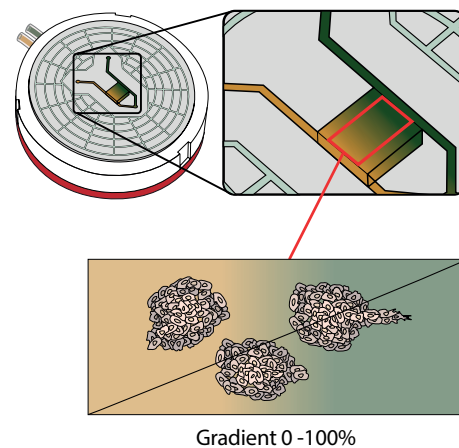
The cell-matrix mixture is injected into the cell culture chamber through the cross-shaped slit.



### Gradients and cell culture models

Cells adhere to the bottom and 2D chemotactic cell responses are measured in the middle channel.

Non-gradient cell behavior is measured in the control channels.



Cells, spheroids or small tissue samples are embedded in the 3D matrix. A linear gradient is formed through the matrix, allowing for cell responses under *in vivo*-like conditions.