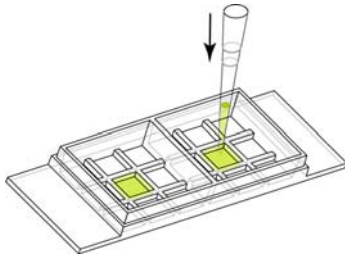


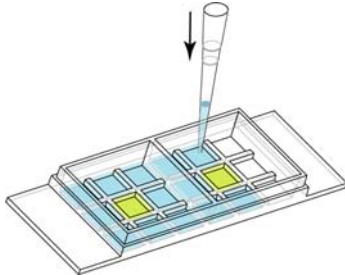
## **Co-Cultivation using the $\mu$ -Slide 2x9 well**

In this example we show how the  $\mu$ -Slide 2x9 well can be used for co-cultivation of two different cell types. Feeder and recipient cells can be grown individually but sharing the same media to communicate by soluble factors/proteins.

Unpack the  $\mu$ -Slide 2x9 well and place it on a  $\mu$ -Slide Rack or another appropriate surface. Prepare your recipient cells and seed them into the center minor well using 40-60  $\mu$ l cell suspension. Depending on your cells we recommend a cell density of  $5-10 \times 10^4$  cells/ml.



Prepare your feeder cells and seed them into the outer minor wells using 40-60  $\mu$ l cell suspension for each well. When using the hydrophilic ibiTreat surface some mixing within the outer 8 wells can happen.



Don't wet the catwalks of the inner well with medium and handle the slide with care not to mix the media before the cells have attached to the bottom. After cell attachment, empty the individual reservoirs to prevent cell mixing. Wash the 9 minor wells with 40-60  $\mu$ l medium to remove non adherent cells (not shown). After that, fill 400-600  $\mu$ l medium into each large well. This will connect the 9 minor wells allowing the two cell types to communicate.

