

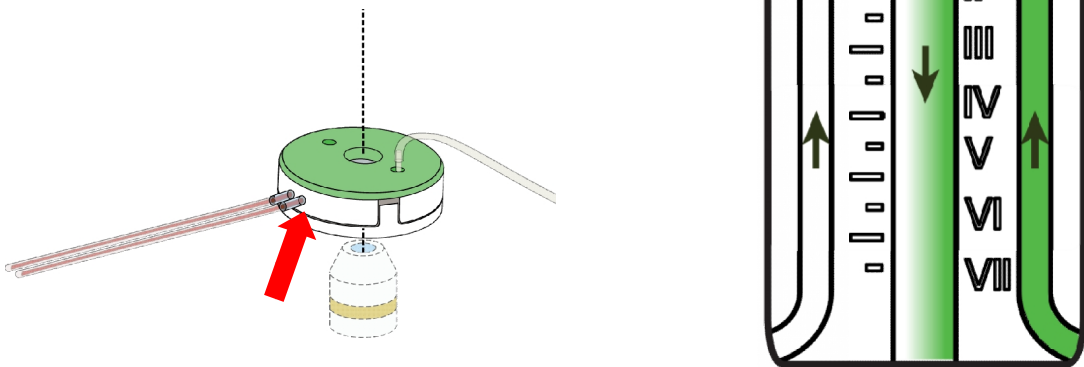
GUIDE

Gradient Orientation and Flow Directions in CellDirector® 2D

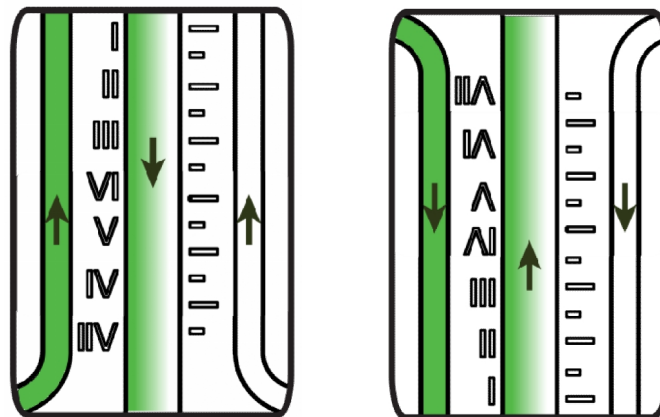
CellDirector® 2D has two inlet connectors – one for your *source solution*, e.g. the potential chemoattractant, and a second connector for your *sink solution*.

In this guide, the **SOURCE SOLUTION** is **GREEN** and the sink solution is colorless.

If the source solution tube is connected to the **RIGHT** inlet connector of CellDirector® 2D, the gradient orientation will be as shown in the image:



Depending on how your camera is mounted on the microscope, if you use an upright or inverted microscope, the image can also look like this: (*flow directions and gradient orientation are of course the same*)



REMEMBER:

- The flow direction in the gradient channel is towards higher roman numbers
- The fluid flows in the control channels are in the opposite direction
- The source solution is on the roman number side