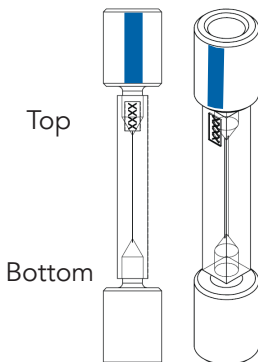


## General Information

Field of View (FOV) flow cells are made of fused silica with stainless steel fittings at either end. The depth value (in mm) is etched on the glass at the top of the FOV flow cell. For example, an FOV flow cell with a depth of 80  $\mu\text{m}$  will have an etching "0080". The flow cell should be inserted into the flow cell holder in the top-up orientation with the etching and color stripe on top and facing out.



XXXX marks location of the depth etching and top of FOV flow cell

## Maintenance of FOV Flow Cells

To extend the life of your flow cells, always handle with care and:

- Do not apply torque to the flow cell in any direction.
- Do not run corrosive materials, including bleach or acids, through the flow cell.
- Always clean the flow cell after use, and prior to storage.
- Contact Fluid Imaging Technologies for information about FlowCam chemical compatibility.

## FOV Flow Cell Warranty

Please refer to the *FlowCam 8000 Series User Guide* for information regarding the FOV flow cell limited warranty.

## FlowCam Videos

Visit Fluid Imaging Technologies' YouTube channel for "How To" videos on FlowCam maintenance and operations.

Call: +1 207-289-3200

Email: [customer care@fluidimaging.com](mailto:customer care@fluidimaging.com)

Submit a help ticket online at [www.fluidimaging.com](http://www.fluidimaging.com)

Regular cleaning of your FOV flow cell is recommended. Use the following instructions to clean/unclog your FOV flow cell. Note: wear gloves when handling a flow cell.

1. If FOV flow cell is clogged, locate the clog using a microscope or magnifying glass.
2. Assemble the syringe and luer-lock coupler (provided in the FOV cleaning kit).
3. Draw ~2mL detergent solution into syringe and attach to the opposite end of the flowcell as the clog.
4. Push or pull the detergent through the flow cell.
5. Repeat the flush with DI H<sub>2</sub>O.
6. Inspect the flow cell again to confirm the clog has been removed.
7. Clean exterior of the flow cell with low-lint lens paper prior to re-installation.
8. For stubborn clogs the FOV flow cell may be soaked in warm water or detergent prior to syringe purge.

Refer to training video “How to Clean an FOV Using a Luer Lock Syringe” for details.

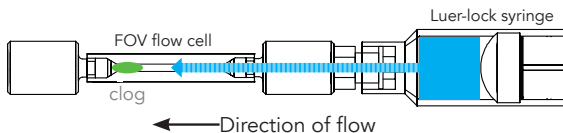


Table of Recommended Detergents		
Application	Detergent	Notes
Marine & Freshwater	Citrajel 1-2% (Alconox)*	Liquid solution, higher concentrations may damage flow cell
Proteins	Tergazyme 1-2% (Alconox)*	Powder, higher concentrations may damage flow cell. Mixed solution has shelf-life of approximately 2 weeks and pH of 9.5
General	Contrad NF 1-2% (Decon Labs)	Liquid solution, higher concentrations may damage flow cell
* Sample included with FOV Cleaning Kit.		