

FlowCam® Accessories

Order replacement parts, consumables, add-ons, and software

FlowCam 8100, FlowCam 8400, FlowCam Cyano, FlowCam LO, FlowCam Nano, FlowCam 5000,
FlowCam Macro, ALH for FlowCam, FlowCam VS



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GENERAL ACCESSORIES & CONSUMABLES



Microsphere Standards for Size and Autofocus

NIST traceable monosized beads for validating FlowCam particle sizing. The 15 and 100 µm sized microspheres can also be used for performing autofocus.

Microsphere Size Standard - 10 µm

15 mL Bottle, Item # CS-1002-2010

Microsphere Size Standard - 20 µm

15 mL Bottle, Item # CS-1002-2020

Microsphere Size Standard - 50 µm

15 mL Bottle, Item # CS-1002-2050

Microsphere Size & Autofocus Standard 15 µm

For focusing 10X & 20X objectives

15 mL Bottle, Item # CS-1002-2015

Microsphere Size & Autofocus Standard 100 µm

For focusing 2X & 4X objectives

15 mL Bottle, Item # CS-1002-2100



Microsphere Standards for Count

NIST traceable microspheres in solution at specified concentration of 3000 Particles/mL for validating FlowCam particle count.

Microsphere Count Standard - 10 µm

25 mL Bottle, 3000 p/mL, Item # CS-1002-1010

Microsphere Count Standard - 20 µm

25 mL Bottle, 3000 p/mL, Item # CS-1002-1020

Microsphere Count Standard - 50 µm

25 mL Bottle, 3000 p/mL, Item # CS-1002-1050



Microsphere Standards for Fluorescence

Fluorescent microspheres for validating Trigger mode functionality on FlowCam 8400 and FlowCam Cyano instruments. The microspheres need to be diluted in water so that the particles per used image (PPUI) is 1.20 or below.

Fluoro-Max™ Green Dry Fluorescent Microspheres - 13 µm

For evaluating Ch2 on

488 nm laser FlowCam 8400 instruments.

1 g Bottle, Item # CS-8400-0001

Fluoro-Max™ Red Dry Fluorescent Microspheres - 13 µm

For evaluating Ch1 on

488 nm and 532 nm FlowCam 8400 instruments.

1 g Bottle, Item # CS-8400-0002

Spherotech® Sky Blue Bead Solution

15-19 µm For evaluating Ch1 on FlowCam Cyano.

2 mL Bottle, Item # CS-8400-0003

Spherotech® CyBlue Bead Solution

15-19 µm For evaluating Ch2 on FlowCam Cyano.

2 mL Bottle, Item # CS-8400-0004



Pipette Tips

These Eppendorf epT.I.P.S.[®] are used to introduce your sample into the FlowCam sample port and are compatible with an Eppendorf pipettor.

Pipette Tips - 1 mL

Pack of 50, Item # CS-1004-1010

Pipette Tips - 2.5 mL

Pack of 25, Item # CS-1004-1025

Pipette Tips - 5 mL

Pack of 25, Item # CS-1004-1050

Pipette Tips - 10 mL

Pack of 20, Item # CS-1004-1100



Sample Preparation Kit

Item # CS-80-0001

Pre-filtering your sample is recommended to avoid clogging the FlowCam fluidics system. Use the materials provided in the Sample Preparation Kit to remove particles that exceed the flow cell and microfluidic tubing dimensions prior to your FlowCam imaging run.

This kit contains:

- **pluriSelect[®] cell strainers (40, 70, 100, 200, 300 and 500 μ m)**
- **50 mL conical tube**
- **4 plastic transfer pipettes**
- **Sample preparation information card**



FLOWCAM 8000 SERIES ACCESSORIES

FlowCam 8100
FlowCam 8400
FlowCam Cyano
FlowCam LO



FlowCam 8000 Series Field-of-View Flow Cells

Field-of-view or FOV flow cells ensure the liquid passing through the flow cell is entirely encompassed within the camera's field of view.

FOV Flow Cell - 50 μm

Item # CN-8-FC0050, (20X objective)

FOV Flow Cell - 80 μm

Item # CN-8-FC0080, (10X objective)

FOV Flow Cell - 100 μm

Item # CN-8-FC0100, (10X objective)

FOV Flow Cell - 300 μm

Item # CN-8-FC0300, (4X objective)

FOV Flow Cell - 600 μm

Item # CN-8-FC0600, (4X objective)

FOV Flow Cell - 1000 μm

Item # CN-8-FC1000, (2X objective)



FlowCam 8000 Series Flow Cell Retainer

The flow cell retainer secures the field-of-view flow cell in proper position while preventing light interference during trigger mode operation.

Flow Cell Retainer

Item # C1856-RA



Fluidics Tubing Kits

FlowCam 8000 Series Fluidics Tubing Kit

Item # CS-8-1002

Upper and lower chemically resistant tubing, with threaded fittings, to connect the field-of-view flow cell to the sample port and volumetric syringe.

FlowCam LO Fluidics Tubing Kit

Item # CS-82-1001

Teflon upper tubing to connect the sample port to the flow cell, and silicone lower tubing to connect the flow cell to the LO module and the LO module to the volumetric syringe, required fittings included.



Volumetric Syringes

Precision glass syringe to draw the sample through the flow cell at a consistent rate. Common usage is listed for each size. Please inquire about the correct size for your application.

0.5 mL syringe

Item # CS-1001-1005, (20X objective)

1.0 mL syringe

Item # CS-1001-1010, (10X objective)

2.5 mL syringe

Item # CS-1001-1025, (FlowCam LO only)

5.0 mL syringe

Item # CS-1001-1050, (4X objective)

12.5 mL syringe

Item # CS-1001-1125, (2X objective)



FlowCam 8000 Series Flow Cell Cleaning Kit

Item # CS-8-1010

Regular cleaning of field-of-view (FOV) flow cells is recommended. Before storing your FOV flow cell for a period of inactivity, clean and inspect the flow cell channel to ensure it is clear of debris.

This kit contains:

- Citrajet® cleanser
- Syringe
- Luer lock threaded adaptor
- Lens cleaning tissues
- FOV flow cell information card



Large Sample Volume Kit

Item # CN-8-1002

This kit is recommended for large volume samples being run on FlowCam 8000 instruments using a 2X objective.

This kit contains:

- 1-liter waste bottle
- Silicone tubing
- Luer lock threaded adaptors
- Valves and connectors



FLOWCAM NANO ACCESSORIES



FlowCam Nano Flow Cell Kit

Item # CN-7-FC0040

Includes three flow cells, with pre-assembled tubing and fittings. Flow cells come individually wrapped and sterile for single use.

This kit contains:

- **Three 60 µm x 500 µm flow cells**
- **Pre-assembled tubing and fittings**



FlowCam Nano Volumetric Syringe

Flowcam Nano volumetric syringes are made of borosilicate glass, stainless steel plunger and fittings, and Teflon®.

Volumetric Syringe - 250 µL

Item # CS-7-0005



FlowCam Nano Nanosphere Standards

NIST traceable nanosphere standards.

Concentration is $\sim 1 \times 10^9$ /mL. These standards are used for autofocusing the 40X objective lens in FlowCam Nano.

Nanosphere Autofocus Standard - 0.7 µm

15 mL bottle, Item # CS-7-1040



FlowCam Nano Immersion Oil Kit

Item # CS-7-1002

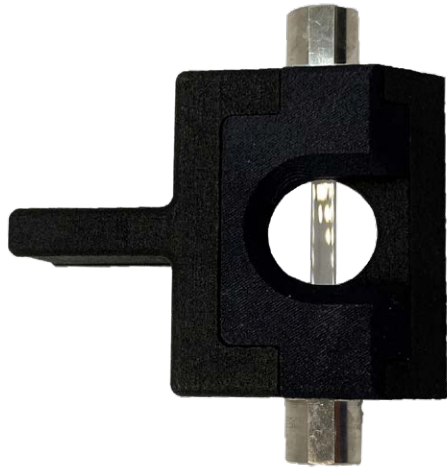
Included in this kit are items required for dispensing immersion oil onto the FlowCam Nano flow cell.

This kit contains:

- **2 syringes**
- **4 20-gauge syringe tips**
- **15 mL bottle of immersion oil**



FLOWCAM 5000 ACCESSORIES



FlowCam 5000 Flow Cell Cartridge

These disposable cartridges are designed for FlowCam 5000 instruments and are made with borosilicate glass. Come in packages of 4 with one set of required tubing.

4 Flow Cells - 50 μm x 1 mm
Item # CN-5-FC0501, (20X objective)

4 Flow Cells - 100 μm x 1 mm
Item # CN-5-FC1001, (10X objective)

4 Flow Cells - 100 μm x 2 mm
Item # CN-5-FC1002, (10X objective)

4 Flow Cells - 300 μm x 3 mm
Item # CN-5-FC3003, (4X objective)



Volumetric Syringes

Precision glass syringe to draw the sample through the flow cell at a consistent rate. Common usage is listed for each size. Please inquire about the correct size for your application.

0.5 mL syringe
Item # CS-1001-1005, (20X objective)

1.0 mL syringe
Item # CS-1001-1010, (10X objective)

5.0 mL syringe
Item # CS-1001-1050, (4X objective)



FLOWCAM MACRO ACCESSORIES



FlowCam Macro Flow Cells

High optical quality field-of-view flow cells for your FlowCam Macro come in two size options. The flow cells are not considered disposable and are meant to be reused.

Flow Cell - 2 mm x 10 mm

Item # CN-3-FC0002

Flow Cell - 5 mm x 10 mm

Item # CN-3-FC0005



FlowCam Macro Flow Cell Holders

These replacement holders keep your flow cell in place to ensure proper function and come in two sizes depending on the size of your flow cell. Replacement screws are also included.

Flow Cell Holder - 2 mm x 10 mm

Item # FIT-MA-0384

Flow Cell Holder - 5 mm x 10 mm

Item # FIT-MA-0382



FlowCam Macro Tubing

FlowCam Macro replacement tubing is offered for the connection to the entrance or exit line for the peristaltic pump, and for the connection between the flow cell and the sample port fitting.

Peristaltic pump tubing

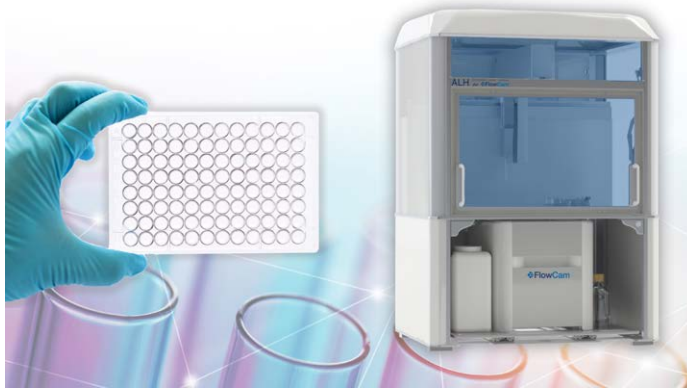
(Ordered by linear foot)

Item # CS-3-1006

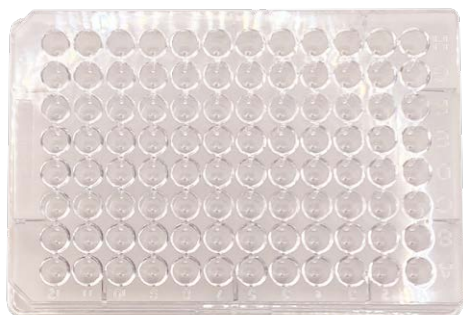
Flow cell tubing

(Ordered by linear foot)

Item # CS-3-1007



AUTOMATED LIQUID HANDLING GENERAL ACCESSORIES



96-Well Microplates

Clear polystyrene round-bottom plate designed to minimize air bubble formation, 250 μ L well volume. Use this plate for samples that will be dispensed into the ALH system.

96-well microplates

Pack of 100, Item # CN-AS-1001



Deep Well Microplate

Heavy polypropylene 96-well plate with v-bottom wells, 2.2 mL well volume. Use this plate for samples that will be dispensed into the ALH system.

96-well microplate, deep well

Item # CN-AS-1002



4-Well Reagent Reservoir

Reusable heavy polypropylene reagent vessel with four troughs to hold lab-grade water, detergent, or buffer, 70 mL trough volume. For easy dispensing into the ALH system.

4-well reagent reservoir

Item # CN-AS-1003



Disposable Reservoir

Disposable, polypropylene, 300 mL, 4-well reagent vessel with convoluted design to minimize dead volume and baffles to reduce splashing. For easy dispensing into the ALH system.

Disposable reservoir

Item # CN-AS-1006



ALH FOR FLOWCAM™ ACCESSORIES



ALH for FlowCam Pipette Tip Racks

These epT.I.P.S.® Motion Racks are prefilled with 10 packs of 96 sterile pipette tips, 40-1000 µL. Not compatible with FlowCam ALH (Gen 1).

Pipette Tip Racks

Box of 10 packs, Item # CN-AS-1004



ALH for FlowCam Tip Disposal Container

A 1-gallon waste container for disposal of used pipette tips. Not compatible with FlowCam ALH (Gen 1).

Tip disposal container

Item # CN-AS-1005



FLOWCAM ALH ACCESSORIES

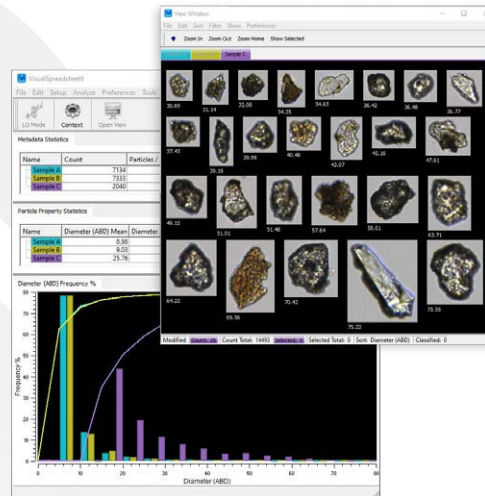


Pipette Tips

These racks are prefilled with 96 sterile clear pipette tips to be used in the FlowCam ALH (Gen 1) system.

Pipette tips, 96 count

Box of 10 packs, Item # CN-AAS-1001



SOFTWARE LICENSES & UPGRADES



VisualSpreadsheet 6

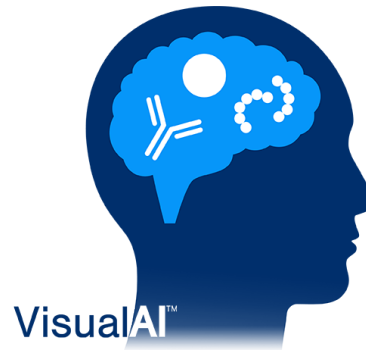
VisualSpreadsheet 6 software for FlowCam instruments. Includes additional 3-seat license for VisualSpreadsheet 6 software for offline data analysis. Enables processing and evaluating flow imaging microscopy data from any FlowCam instrument on up to 3 external computers. Compatible with Windows 10 and 11 (64-bit) only.

VisualSpreadsheet 6 Satellite License

3-seat license, Item # SW-1000-6001

VisualSpreadsheet 6 Upgrade

Upgrade from previous software version
Item # SW-1000-6007



VisualAI Software License

VisualAI add-on module for VisualSpreadsheet 6 satellite software. VisualAI is an AI-driven image analysis module for quantifying biopharmaceutical aggregates and silicone oil in protein formulations. Compatible with FlowCam 8100 and FlowCam LO instruments using a 10X objective. A separate satellite license for VisualSpreadsheet 6 is required to install and run VisualAI.

VisualAI Software License

Item # SW-1000-6005



VisualSpreadsheet 6 21 CFR Part 11 Compliance Package

21 CFR Part 11 Compliance module for Visual Spreadsheet 6 software to ensure data integrity and traceability in regulated laboratories. Available for the FlowCam 8000 Series, FlowCam LO and FlowCam Nano.

21 CFR Part 11 Compliance Package

Item # SW-1000-6002



FLOWCAM VS ACCESSORIES



FlowCam VS Standard Flow Cells

- 50 μm x 1 mm**, qty 4, Item # CN-88-FC0050
- 100 μm x 1 mm**, qty 4, Item # CN-88-FC0101
- 100 μm x 2 mm**, qty 6, Item # CN-88-FC0102
- 200 μm x 2 mm**, qty 6, Item # CN-88-FC0200
- 300 μm x 3 mm**, qty 6, Item # CN-88-FC0300
- 600 μm x 6 mm**, qty 3, Item # CN-88-FC0600
- 800 μm x 8 mm**, qty 3, Item # CN-88-FC0800
- 1000 μm x 2 mm**, qty 3, Item # CN-88-FC1000
- 2000 μm x 2 mm**, qty 3, Item # CN-88-FC2002
- 2000 μm x 4 mm**, qty 3, Item # CN-88-FC2004
(Compatible with 2X objective and peristaltic pump)
- 2000 μm x 6 mm**, qty 3, Item # CN-88-FC2006
(Compatible with 2X objective and peristaltic pump)



FlowCam VS Field-of-View Flow Cells

The field-of-view (FOV) fused silica flow cells for FlowCam VS are made with an internal channel that is narrower than the camera's field of view, so that the entire width of the flow cell can be imaged.

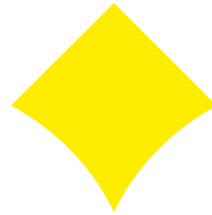
- 80 μm FOV flow cell**
Item # CN-88-FC9080, (10X Objective)
- 300 μm FOV flow cell**
Item # CN-88-FC9300, (4X Objective)
- 1000 μm FOV flow cell**
Item # CN-88-FC9000, (2X Objective)



Volumetric Syringes

Precision glass syringe to draw the sample through the flow cell at a consistent rate. Common usage is listed for each size. Please inquire about the correct size for your application.

- 0.5 mL syringe**
Item # CS-1001-1005, (20X objective)
- 1.0 mL syringe**
Item # CS-1001-1010, (10X objective)
- 5.0 mL syringe**
Item # CS-1001-1050, (4X objective)
- 12.5 mL syringe**
Item # CS-1001-1125, (2X objective)



YOKOGAWA

Yokogawa Fluid Imaging Technologies

Yokogawa Fluid Imaging Technologies manufactures industry-leading particle analysis instrumentation based on digital imaging technology. Our flagship product, FlowCam, is the first automated particle analysis instrument to use digital imaging for measuring size and shape of microscopic particles in a fluid medium. FlowCam has been deployed in over 50 countries, supporting research, development, and environmental monitoring in the life sciences, materials research, and industrial applications.



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