



CONCENTRATING PIPETTE SELECT™

THE MOST EFFECTIVE AND USER-FRIENDLY CONCENTRATION METHOD AVAILABLE - IT'S FAST, FULLY-AUTOMATED. NO SPECIAL SKILLES REQUIRED.

THE CONCENTRATING PIPETTE SELECT is the new generation of our popular Concentrating Pipette Liquid Sample Concentration System bringing a new level of efficiency and customization for users. The system replaces the older concentration methods including centrifugation and culture based enrichment as a front-end to microbial analysis. It is highly efficient and effective for **bacteria, parasites, molds, fungal spores and fragments, whole cells and viruses**.

The one-pass method works by robust filtration through its high-flow single-use pipette tips. Once the microorganisms are captured, the instant and automated Wet Foam Elution™ process recovers and delivers the micro-organisms into a preset microliter volume of clean buffer ready for analysis by your method of choice.

New Features Include:

- Added controls and precision components provide improved recovery of organisms – with high sample concentration and lower elution volumes.
- The system allows users to customize up to 15 protocols to fine-tune the program to their exact preference with optional password protection.
- Additional improvements include a new elution fluid volume sensor and whisper quiet operation.

THE CONCENTRATING PIPETTE SELECT resolves two main difficulties in pathogen detection:

- 1.) The dangerous pathogens within a sample can be very dilute.
- 2.) The volume used for analysis is so small, that the threat is often missed.

The single-use Concentrating PipetteTips have the ability to capture micro-particles including biological particles based on the pore size of the membrane within the tip. After filtration the microparticles are delivered into a microliter volume (user selectable from 150µl to 1000µl). This volume more closely matches the input volume for analysis methods such as, immunoassay, qPCR, and other assays, especially important for trace detection.

- The Concentrating Pipette gives you the ability to process larger volumes than other methods allow – up to 5 liters- providing unmatched concentration factors and limit of detection.
- The Concentrating Pipette is simple to operate. The intuitive controls provide one button push to begin the concentration process and one button push to elute the final sample.
- It is also fast – with the ability to concentrate up to 200 mL per minute.
- Because the sample is only in contact with the single-use tips, there is no worry of cross contamination between samples.
- Small footprint saves bench space

Efficiency example:

1L sample concentrated to 250 µL with
80% recovery efficiency gives a concentration factor of 3,200X
(1000mL ÷ 250µL x 80% = 3200X)



PART NUMBER	FILTER TIP MEDIA TYPE	PORE SIZE	MEMBRANE SURFACE AREA	INPUT SAMPLE VOLUME (VARIES BY MATRIX)	FINAL CONCENTRATED SAMPLE VOLUME	FLOW RATE (VARIES BY MATRIX)
CC08000	Flat membrane Polycarbonate Track Etch	0.4 µm	8.5 cm ²	Up to 1 L	200-1000 µL	Up to 100 mL/min.
Recommended for concentrating bacteria, whole cells, spores, pollen, and parasites from food and beverage matrices containing proteins.						
CC08001	Flat membrane Polyethersulfone	0.1 µm	8.5 cm ²	Up to 1 L	200-1000 µL	Up to 100 mL/min.
Recommended for concentrating bacteria, whole cells, spores, pollen, and parasites from environmental samples.						
CC08018	Hollow Fiber Polysulfone	0.45 µm	98 cm ²	Up to 5 L	150-1000 µL	Up to 150 mL/min.
Recommended for concentrating bacteria, whole cells, spores, pollen, and parasites from high fouling matrices.						
CC08022	Hollow Fiber Polysulfone	0.2 µm	98 cm ²	Up to 5 L	150-1000 µL	Up to 150 mL/min.
Recommended for concentrating bacteria, whole cells, spores, pollen, and parasites from all sample types.						
CC08020	Hollow Fiber Polysulfone	0.05 µm	98 cm ²	Up to 3 L	150-1000 µL	Up to 90 mL/min.
CC08003	Hollow Fiber Polysulfone	Ultra-filtration	98 cm ²	Up to 500 mL	150-1000 µL	Up to 50 mL/min.
The addition of Tween 20 to the starting sample may increase recovery with certain targets and matrices. A final concentration in the sample of 0.05% to 0.1% is common although higher concentrations may be beneficial in some instances. Contact InnovaPrep for assistance.						
CC08011 Unirradiated	Hollow Fiber Polysulfone	0.05 µm	98 cm ²	Up to 3 L	150-1000 µL	Up to 90 mL/min.
CC08004 Unirradiated	Hollow Fiber Polysulfone	Ultra-filtration	98 cm ²	Up to 500 mL	150-1000 µL	Up to 50 mL/min.
The unirradiated tips are deeply discounted and come only in qty's of 200. Recommended for applications such as wastewater monitoring where sterility is not required						

APPLICATIONS

- Industrial Microbial Control
- Life Sciences R&D
- Environmental Monitoring
- Disease Monitoring
- BioSurveillance

SPECIFICATIONS

Input Current	1.0 Amp
Certifications	CE, TUV
Output DC Voltage	12 V (External Power Supply)
Dimensions	13.9" x 11.5" x 6.2"
Height with Head Raised	16.3"
Weight	8.8 LBS
Interface	USB 2.0 Compatible, Micro B

ELUTION FLUID SPECIFICATIONS

The extraction fluids come in easy, snap-in cans and are compatible with most rapid analytical methods including immunoassay or qPCR.

Elution Fluids	0.075% Tween 20/PBS recommended for classical culture analysis
	0.075% Tween 20/Tris recommended for rapid analysis
Fluid volume per cannister	25mL provides 15-30 elutions per canister