

CONCENTRATING PIPETTE SYSTEM

FLUIDPREP™

by INNOVAPREP®

*Say goodbye to tedious
and time-consuming
sample prep!*

SAMPLE-TO-RESULT
in a single shift

EXPONENTIAL CONCENTRATION
up to 10,000x

FASTER, EASIER WORKFLOWS



Highly efficient for viruses, bacteria, fungal spores and
fragments, whole cell, exosomes, parasites and more

Improve detection of trace microorganisms

Optimize workflows to stay ahead of
contamination and illness threats

Concentrating Pipette Select

CP SELECT™

Processes sample volumes up to 5L

No cross contamination between samples

Robust concentration and simultaneous buffer exchange

12 customizable menu parameters to optimize for various matrices

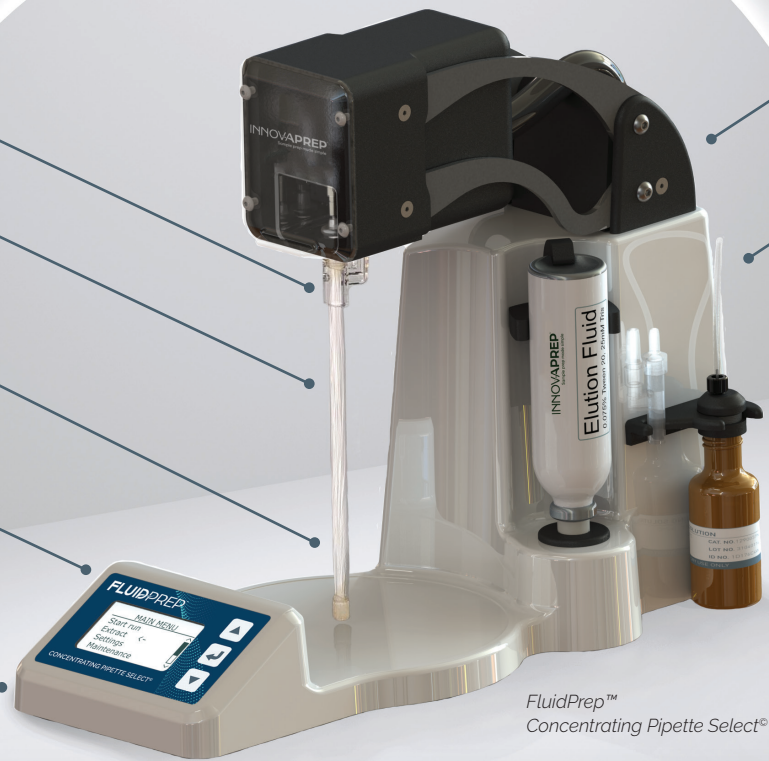
Repeatable results between users

Displaces centrifugation, ultracentrifugation and culture enrichment

Simplifies concentration from complex matrices (e.g. carbonated, turbid or clinical specimens)

Concentrated elution volumes as low as 200 ul, irrespective of your starting sample volume

Delivers exceptional Concentration Factors (CF) via the combination of exponential concentration and high efficiency recovery of captured particles



FluidPrep™
Concentrating Pipette Select®

Workflow

With InnovaPrep's Wet Foam Elution™ method, extracting particles from liquids goes from complex to simple!



COLLECT

Collect your liquid sample in sample container.



PREP

Capture particles onto a hollow fiber filter (Concentrating Pipette tip). In just five seconds, efficiently elute particles from the filter.



DETECT

The eluted samples are perfect for both traditional culture or rapid molecular analysis methods, including PCR and next-generation sequencing.

- Using robust filtration and InnovaPrep's patented Wet Foam Elution™ process, the system delivers a highly concentrated sample that improves sensitivity for detection.
- Single use Concentrating Pipette Tips come in a range of pore sizes.

PREP DETAILS

Effective For

- **VIRUSES**
- **BACTERIA**
- **FUNGAL SPORES & FRAGMENTS**
- **WHOLE CELLS**
- **EXOSOMES**
- **PARASITES**
- **MORE...**

Wet Foam Elution™

PATENTED TECHNOLOGY

InnovaPrep® products use a patented technology for exceptionally fast and efficient concentration based on:

- Capture of microorganisms or particles from large volumes of liquid or air using robust filtration
- Instant recovery using Wet Foam Elution™ (WFE)

WFE uses a weak surfactant as a foaming agent and dissolved gas packaged in quick release canisters to dispense a powerful, yet gentle elution.

During elution, a small volume of buffer is quickly dispensed — expanding 6x into a viscous wet foam that lifts the trapped particles from the filter. Within seconds, the foam returns to a liquid, ready for downstream culture, molecular, sequencing or other advanced detection methods. The exceptional characteristics of the wet foam enable **concentration factors, up to 10,000x**.

FluidPrep Elution Buffer

- Two standard elution buffers: PBS & Tris
- Extremely gentle for optimal results
- Custom formulations are available



Applications

DISEASE MONITORING

ENVIRONMENTAL MONITORING

BEVERAGE & BREWING

ANIMAL HEALTH & AQUACULTURE

PHARMA

BIOSURVEILLANCE

DRINKING WATER & WASTEWATER

FOOD SAFETY

CLINICAL RESEARCH

Sample Compatibility of Wet Foam Elution™

WITH DOWNSTREAM DETECTION METHODS

1. MICROSCOPY

- Light
- Fluorescence
- Electron

2. CULTURE

- Single-shift Enrichment (Screening)
- Selective (Identification)

3. IMMUNOLOGY

- Serotyping
- FISH
- Flow Cytometry
- ELISA
- Magnetic Beads

4. MOLECULAR BIOLOGY

- Genetic Typing
- 16S DNA
- DNA/RNA Sequencing
- PCR, RTPCR, ddPCR
- Sequencing, including NGS

5. BIOCHEMISTRY

- ATP
- Biotyping
- Fermentation
- Enzyme Detection
- Mass Spectrometry

FLUIDPREP™
by INNOVAPREP

Transform your workflow to reduce sample-to-result time.

Detecting biological contaminants and pathogens requires effective sample prep and rapid sample-to-result turnaround. Traditional sample preparation is time-consuming and recovery of target organisms is hindered by matrix complexity and sample volume. Our patented sample prep technology simplifies sample preparation and streamlines your ability to detect biological targets with greater sensitivity and speed.

INNOVAPREP
Sample prep made simple

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An ISO 9001:2015 Certified Company

Contact us for a demo or to order:

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