



Time
saving

Unique
benefits for
pathology
protocols

Hands free
system

Fully
automated

 **InstruNor**
INNOVATION OF FLOW INSTRUMENTS



FlowStainer™

Welcome to the world of the FlowStainer™

Imagine the Best in Class Quality Assurance Flow Cytometry results amongst your peers. Reproducible. Consistent. Accurate. Dependable. More time to do more.

Improve the return on your investment from your "State of the Art" multi-colour Flow Cytometry Instrument by the addition of automated sample preparation with the FlowStainer™.

The FlowStainer™ has been developed by a team of experienced engineers, IT and lab specialists, with the focus to create an instrument that is reliable and easy to use. The FlowStainer™ was designed to simplify the everyday work situation for lab personnel worldwide.

No other instrument offers a completely automated sample preparation procedure for flow cytometry including staining, wash steps, lysing. This makes the FlowStainer™ unique and unmatched in the flow market today.

The FlowStainer™ has the following features and benefits:

- ✓ Up to 18 samples at a time
- ✓ Sample tube cap remover
- ✓ Easy-to-use computer interface - ease of programming
- ✓ Automatic liquid level detection of antibodies and reagents – avoids running out during a sample run.
- ✓ Pipetting robot for blood, antibodies and other reagents – reducing error
- ✓ Automated cocktail mixing – reducing error
- ✓ Cooling rack for 24/7 antibody storage with over 100 antibodies positions.
- ✓ Centrifuge with a 28 tube carousel and programmable speed
- ✓ Buffer heater
- ✓ 5 x 2 litre bottles for reagents
- ✓ 10 litre external waste



FlowStainer™

FlowStainer™ is a unique programmable system for liquid samples for flow cytometry analysis including; antibody cocktail mixing, centrifugation, cell lysis and cell wash

Time saving

✓ Time saving

Workflow studies show that Flowstainer™ gives a 95% reduction in hands-on time compared to running the same protocol manually.

"The best thing with the FlowStainer™ is that you just load it and press start. You can then concentrate on other tasks while the instrument handles the complete preparation process of your samples!"

- Hiep Phuc Dong, PhD, Senior Engineer, Dept. of Pathology, Oslo University Hospital, Norway

Unique benefits for pathology protocols

✓ Unique benefits for pathology protocols

The Flowstainer enables you to standardise results by running individually designed sample preparation protocols, making FlowStainer™ the most versatile sample preparation instrument on the market. The FlowStainer™ is fully programmable from a one-step procedure to complex protocols. This affords an opportunity for both clinical and research labs to perfect the quality of their traditional staining protocols. The built-in centrifuge makes the FlowStainer™ unique, offering a chance to wash, stain and lyse for consistent reproducible results without interruption.

Hands free system

✓ Hands free system

The FlowStainer™ is the only instrument available with a built-in centrifuge and temperature controlled reagent storage. This makes it possible to run complex staining protocols including wash, stain and lyse. When you have chosen your protocol, loaded your antibodies, samples and buffers onto the FlowStainer™ simply press start, leaving you free to concentrate on other tasks. When sample preparation is complete remove the sample tubes from the FlowStainer™ and analyse on the flow cytometer. Forget walking back and forth to the fridge, centrifuge, incubation drawer, pipetting station and centrifuge again. When you press start, the FlowStainer™ takes care of itself.

Fully automated

✓ Fully automated

Accurate Flow Cytometry results are dependent on the efficacy of sample preparation. The delivery of accurate and reproducible results is a challenge for all scientists working in this growing sector. With doctors and patients demanding reliable and dependable results, scientists and technicians are forced to operate under strict time constraints. Driven by the unmet demand to improve quality assurance, we pioneered the automation of the Flow Cytometry sample preparation process and introduce The FlowStainer™.

The instrument replicates manual protocols including the mixing of antibody cocktails. FlowStainer™ can be easily programmed to replicate and automate manual protocols giving enhanced consistency of sample preparation. Detailed reports are generated to validate the automated process.



**Welcome to contact us
for more information.**

*REPRODUCIBLE
CONSISTENT
ACCURATE
DEPENDABLE*



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