



NEW DURACLONE

A new dry reagent

- ✓ Shelf-stable at room temperature: ensures stability for long periods of time without the need for refrigerated shipping or storage.
- ✓ Ready-to-use, affordable, and accurate
- ✓ Deliver the same consistent performance as liquid reagents.
- ✓ Simplify and expedite your sample preparation & handling

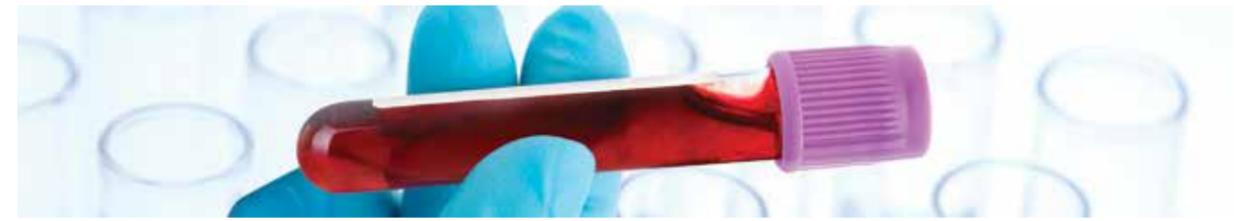


- ✓ Eliminate antibody pipetting steps and associated errors – just add blood samples and lyse
- ✓ Custom-designed cocktails of flow cytometry reagents
- ✓ Prepares 2-10 color cocktails
- ✓ Can produce a single batch or single lot for the duration of the study
- ✓ Provided in a light-impermeable pouch
- ✓ Optimized, titrated and qualified by Beckman Coulter
- ✓ Standardizes testing across time and across sites



1. Take dry unitized dried-down reagent tube
2. Add blood sample
3. Vortex & incubate
4. Add lysis solution & incubate
5. Acquire & analyze by flow cytometry

www.analis.be/DURACLONE



FLOW CYTOMETRY SOLUTIONS & TECHNOLOGIES



Analis-24-BSAC-042016





Aquios CL & Navios

More innovation in flow cytometry

Beckman Coulter's complete range of automation and information systems help you streamline processes for maximum efficiency. From delivery of more timely, accurate and reliable patient test results to the elimination of bottlenecks, our automation and information system solutions empower you to manage lab operations more efficiently and cost-effectively.

AQUIOS CL

Aquios CL is the first true Load & Go flow cytometer. It is easy to learn, easy to use, ideal for cross-training your lab staff, and represents a breakthrough solution to the most basic operational challenges of flow cytometry.

NAVIOS

The Navios Flow Cytometer is a clinical system that delivers analytical excellence by coupling extraordinary sensitivity, resolution and dynamic range with high-speed data collection.



CytoFLEX & CytoFLEX S

NEW Flow Cytometers

Powerful Performance with Maximum Flexibility

The CytoFLEX family of flow cytometers is designed to deliver superior performance with ease of operation for research applications. Simplified system setup, data acquisition, analysis, and export of experimental results are integrated into a complete workflow solution with CytExpert software. The CytoFLEX systems feature a compact footprint, integrated detection optics and lasers, and a simplified, highly reliable fluidics system. The CytoFLEX or CytoFLEX S flow cytometer is easily installed.

The CytoFLEX is available with twenty one (21) standard configurations to provide the ultimate in application flexibility with up to three lasers and 15 parameters, including optional 96-well Plate Loader format.

The CytoFLEX S is available as a 2, 3 or 4 laser system and 15 parameters that contain a yellow, 561 nm laser for fruit dye applications. The system has an optional 96-well Plate Loader.

Together, the CytoFLEX and CytoFLEX S with CytExpert software bring high performance flow cytometry to a variety of researchers with simple to complex needs.

www.analis.be/CYTOFLEX

CytoFLEX Application Note

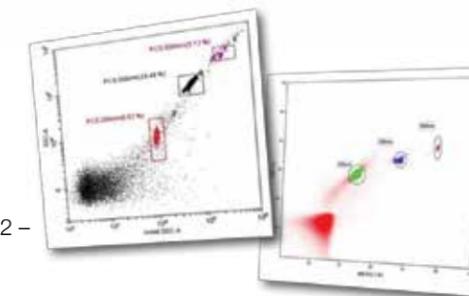
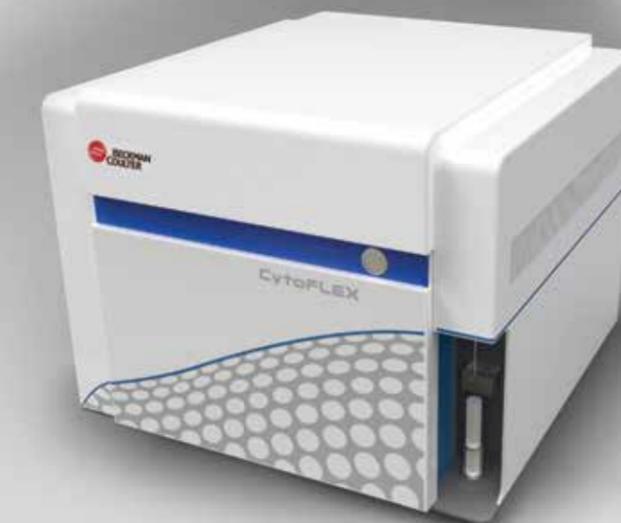
NEW Flow Cytometers

Principle of the Technique

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Introduction

Over the past decade, there has been a rapid growth in studies of secreted membrane vesicles, collectively called extracellular vesicles (EVs). (1) The release of EVs has been reported in the pathologies of cancer (2-5), neurological, hematological (6), cardiovascular (7), autoimmune and rheumatologic diseases (8), and viral infections such as malaria (9). The study of EVs is gaining increasing interest within both the medical and scientific communities due to the diagnostic and therapeutic possibilities. However, the identification and classification of EVs has been problematic. Although advances in various fields, including microscopy, have addressed some of the preliminary hindrances, flow cytometry remains the dominant approach for the characterization of submicron cell-derived particles.



The primary hurdle in analyzing particles at the submicron level has been to accurately represent their size distribution and light scatter profiles. Instrumentation thresholds were originally designed using whole blood as the standard, thereby excluding cellular measurement below 3µm. Recently, flow cytometric technology has been developed to distinguish populations spanning the <400nm to 1µm range. In this independent study, several of those technologies are evaluated and compared.

As most of the hardware adjustments are accomplished by enhancements to the FSC parameter, the study will also evaluate the use of Violet SSC on Beckman Coulter's CytoFLEX as a novel approach to small particle detection. According to Mie theory, it is hypothesized that Violet SSC will give comparable results, as the lower wavelength will allow for detection of smaller particles.

www.analis.be/CYTOFLEX-SSC

www.analis.be/FLOWCYTOMETRY