



US007999937B1

(12) **United States Patent**
Srivastava et al.

(10) **Patent No.:** **US 7,999,937 B1**
(45) **Date of Patent:** **Aug. 16, 2011**

(54) **MICROFLUIDIC DEVICES AND METHODS FOR INTEGRATED FLOW CYTOMETRY**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 358 days.

(21) Appl. No.: **12/433,156**

(22) Filed: **Apr. 30, 2009**

Related U.S. Application Data

(60) Provisional application No. 61/052,892, filed on May 13, 2008.

(51) **Int. Cl.**
G01N 21/00 (2006.01)

(52) **U.S. Cl.** **356/338**

(58) **Field of Classification Search** None
See application file for complete search history.

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(57) **ABSTRACT**

Microfluidic devices and methods for flow cytometry are described. In described examples, various sample handling and preparation steps may be carried out within a same microfluidic device as flow cytometry steps. A combination of imaging and flow cytometry is described. In some examples, spiral microchannels serve as incubation chambers. Examples of automated sample handling and flow cytometry are described.

21 Claims, 8 Drawing Sheets

