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(54) **Title:** CLOSED MICROFLUIDIC CARTRIDGE FOR EVALUATING MULTIPLE, ISOLATED PORTIONS OF A FLUID SAMPLE

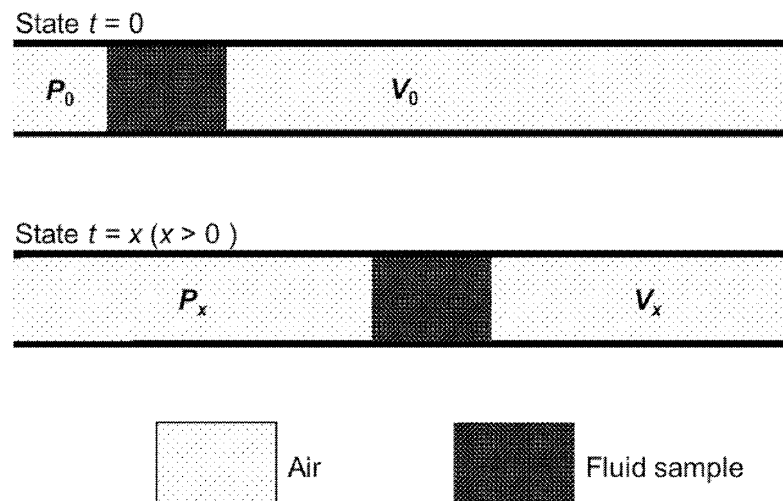


FIG. 1

(57) **Abstract:** The present invention relates to microfluidic cartridges that operate as closed systems. A microfluidic cartridge as described herein allows for the independent evaluation of multiple, isolated portions of a fluid sample (such as, e.g., a blood sample). In certain embodiments, each isolated portion has a predetermined volume. The present invention also relates to methods for simultaneously evaluating multiple, isolated portions of a fluid sample using a single cartridge.

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