FLOW CONTROL AND PROCESSING CARTRIDGE

ABSTRACT OF THE DISCLOSURE

A flow control and processing cartridge used in a nucleic acid analysis apparatus includes a cartridge body and a reaction chip. The cartridge body includes plural chambers for storing at least one sample and plural biochemical reagents and buffers, and plural channels connected with the plural chambers. The reaction chip is in conjunction with the cartridge body and includes plural detection wells, at least one main fluid channel connected with the detection wells and adapted to dispense the sample into the detection wells, and at least one gas releasing channel connected with the detection wells and adapted to release gas from the detection wells.

Fig. 4