

MULTI-CHANNEL MICROFLUIDIC BLOOD COAGULATION DETECTION CHIP

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Disclosed is a multi-channel microfluidic blood coagulation detection chip, including a chip body. The chip body includes, in sequence from bottom to top, a lower-layer chip, a middle-layer chip, and an upper-layer chip. The lower-layer chip, the middle-layer chip, and the upper-layer chip cooperate with each other to define a closed microfluidic
10 channel and a plurality of mutually independent detection chambers. The upper-layer chip is provided with a sample loading hole, and the sample loading hole communicates with the detection chambers through the microfluidic channel. The chip body further includes electrodes. The electrodes include upper-layer electrodes and lower-layer electrodes, the upper-layer electrodes are disposed on the back surface of the upper-
15 layer chip, the lower-layer electrodes are disposed on the front surface of the lower-layer chip, and a gap is provided between the upper-layer electrodes and the lower-layer electrodes. By designing the upper-layer electrodes and the lower-layer electrodes, the electrodes of the multi-channel microfluidic blood coagulation detection chip are arranged in two layers, so that the mutual interference between the electrodes can be
20 reduced, thereby improving the accuracy of detection results.

(FIG.4)