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Supplementary materials

Pre-Degassed Microfluidic Chamber-Based Digital PCR Device for Meat Authentication Applications

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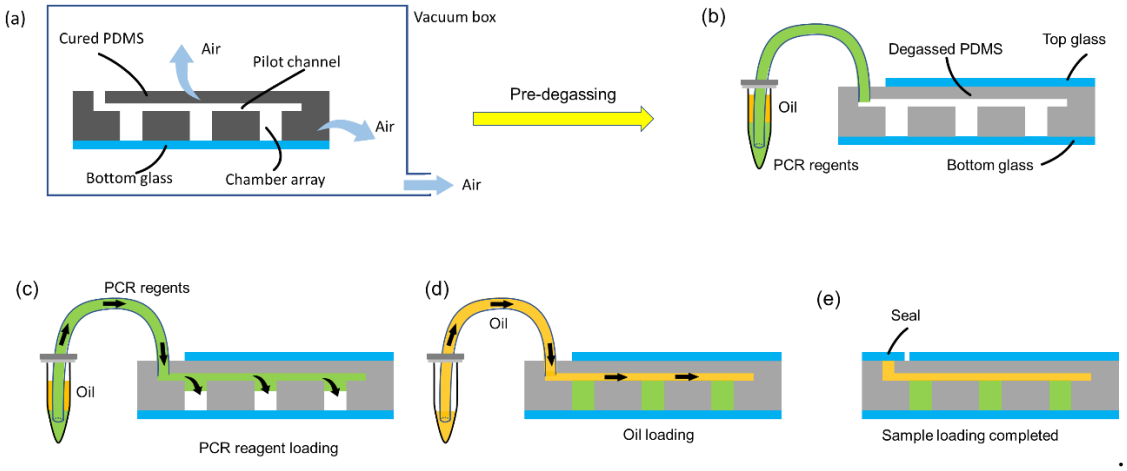

Figure S1. Schematic of the sample loading process with a cross-section view. (**a**) The pre-degassing in a vacuum box. (**b**) Pre-degassed dPCR chip. (**c**) PCR reagent loading. (**d**) Oil loading. (**e**) Sample loading completed.

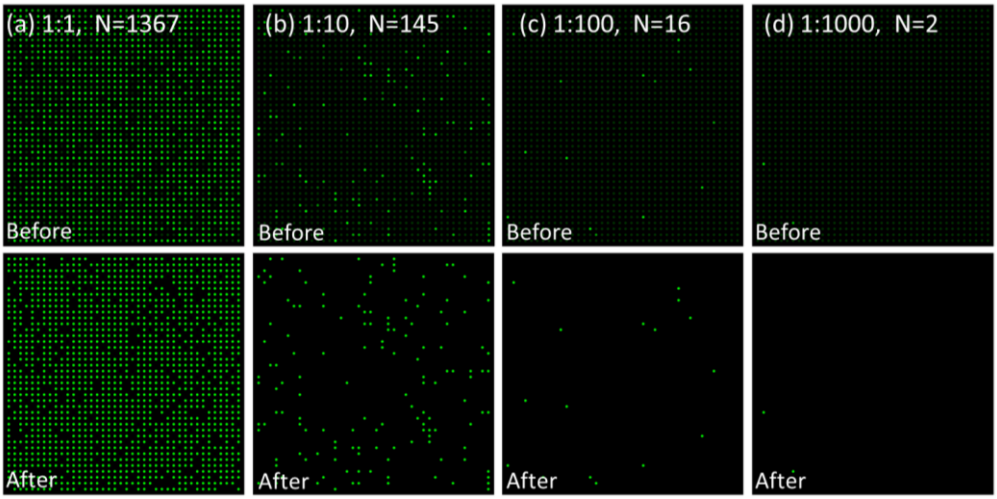

Figure S2. Experimental results of meat authentication applications with the fluorescence images before and after image process to read out the total numbers of positive chamber. From (**a**) to (**d**), the experimental meat samples are with chicken/mutton mass ratio of 1:1, 1:10, 1:100, and 1:1000, respectively.