

## Supporting information

### Development of a single-step immunoassay microdevice based on a graphene oxide-containing hydrogel possessing fluorescence quenching and size separation functions

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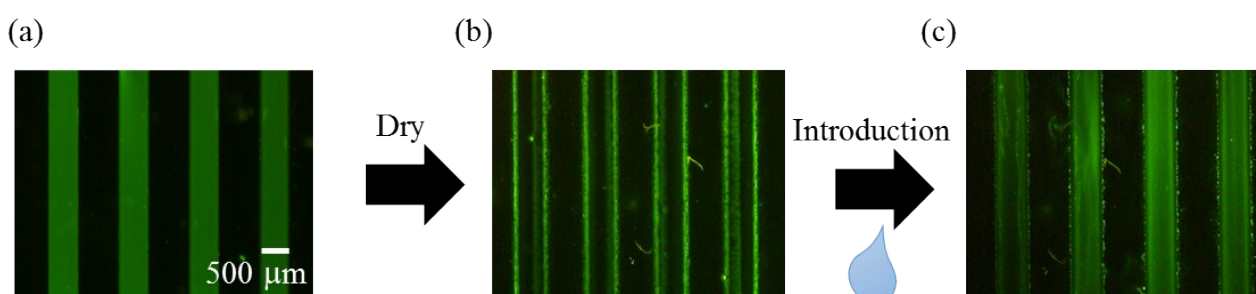


Fig. S1 (a, b) Immobilization of coating containing reagents without glycerol onto PDMS microchannel and (c) non-uniform release of reagents.

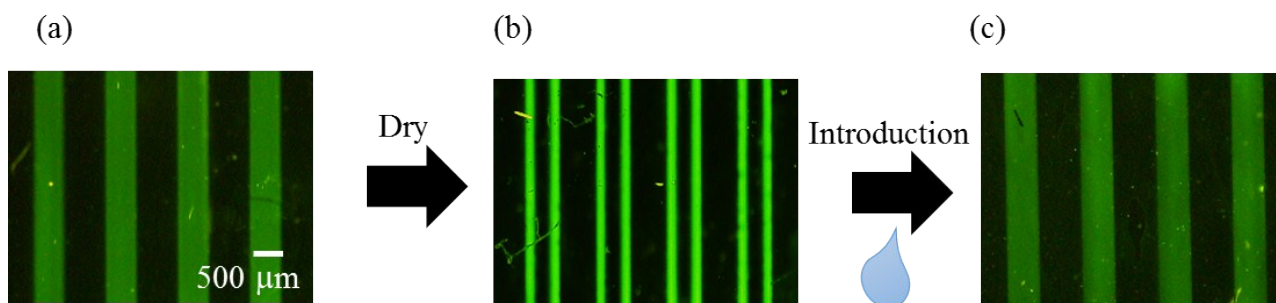


Fig. S2 (a, b) Immobilization of coating containing reagents with glycerol onto PDMS microchannel and (c) uniform release of reagents.