Supplementary Information

An integrated magnetoimpedance biosensor microfluidic magnetic platform for the evaluation of cardiac markers cTnI

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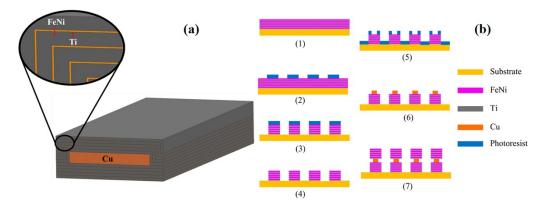
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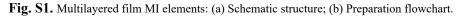
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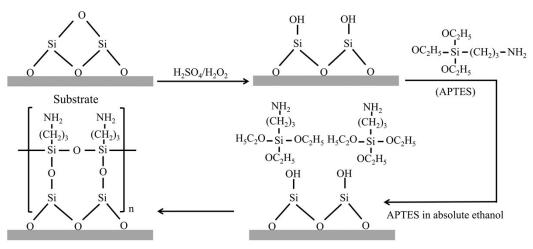


Fig. S2. Self-assemby processes of APTES on SiO₂ film to obtain amino-terminal.

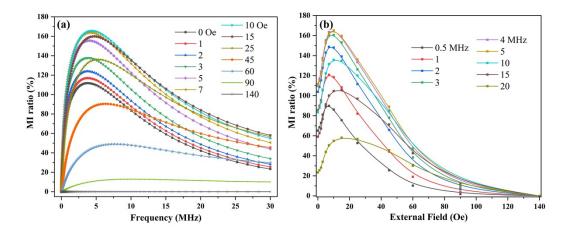


Fig. S3. MI responses of the film elements at different frequencies and fields without bias field.

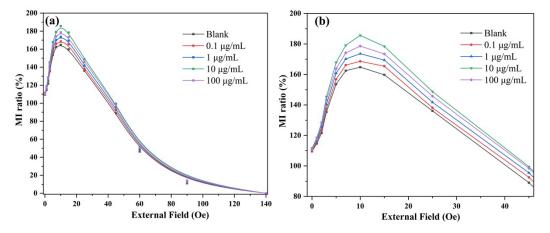


Fig. S4. The fields dependence of different Dynabeads concentration (a) full view and (b) partial enlargement..