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Fig. S1 Synthesis scheme of hapten.

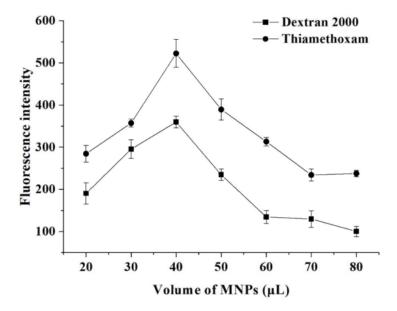


Fig. S2 Effects of different volume of antigen-conjugated MNPs on the multicolor UCFIA.

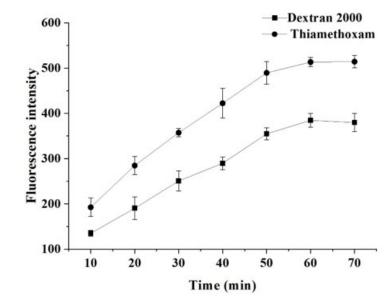


Fig. S3 The effect of different incubation time on the multicolor UCFIA.

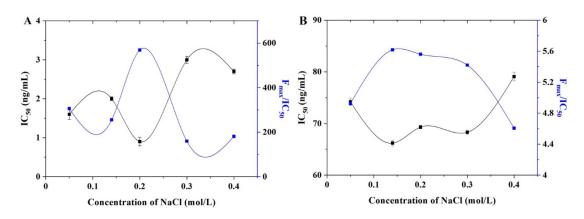


Fig. S4 Effect of concentration of NaCl on the sensitivity of the multicolor UCFIA: (A) thiamethoxam, (B) dextran 2000.

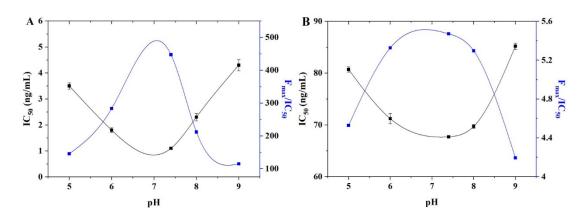


Fig. S5 Effect of pH on the sensitivity of the multicolor UCFIA: (A) thiamethoxam , (B) Dextran 2000.

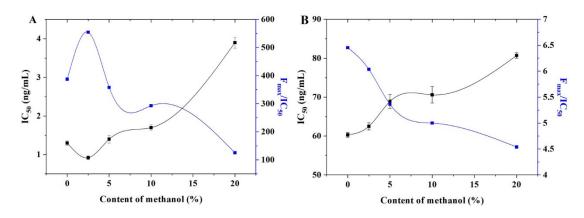


Fig. S6 Effect of methanol content on the sensitivity of the multicolor UCFIA: (A) thiamethoxam, (B) Dextran 2000.