

Supporting Information

Table 1S Effect of organic solvent, ionic strength and pH value on immunoassay

Fig. 1S Ultraviolet absorption spectra of hapten, BSA, OVA, immunogen and coating antigen

Fig. 2S Matrix effect of tomato sample on the sensitivity of the immunoassays

Fig. 3S Matrix effect of pear sample on the sensitivity of the immunoassays

Fig. 4S Matrix effect of rice sample on the sensitivity of the immunoassays

Fig. 5S Matrix effect of soil sample on the sensitivity of the immunoassays

Fig. 6S Correlation between the ELISA and HPLC for the spiked samples

Table 1S Effect of organic solvent, ionic strength and pH value on immunoassay

Factors	ELISA				
	A_{\max} / IC_{50}	IC_{50} (ug/L)	R^2		
Methanol (v/v,%)	5%	0.036	32.360	0.994	
	10%	0.029	38.400	0.982	
	15%	0.015	74.300	0.987	
	20%	0.018	66.150	0.988	
	30%	0.008	132.640	0.978	
	40%	0.007	176.300	0.979	
	Na ⁺ (mol/L)	0.1	0.001	1549.030	0.987
		0.2	0.001	131.700	0.986
0.3		0.036	31.800	0.995	
0.4		0.028	39.490	0.984	
0.5		0.015	70.440	0.981	
pH value	5.5	0.096	8.920	0.988	
	6.5	0.122	8.020	0.995	
	7.5	0.113	8.130	0.994	
	8.5	0.0764	4.660	0.987	

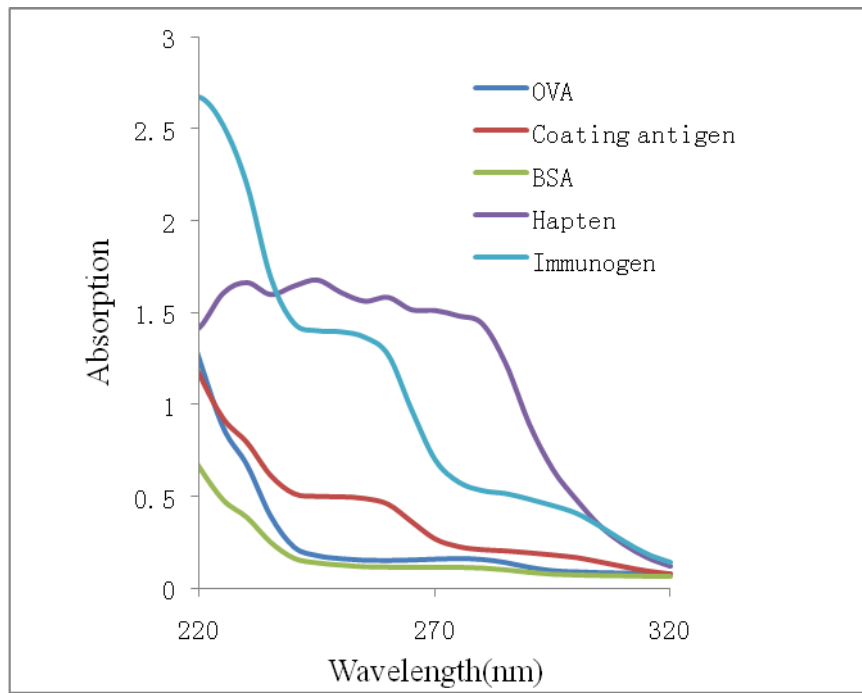


Fig. 1S Ultraviolet absorption spectra of hapten, BSA, OVA, immunogen and coating antigen

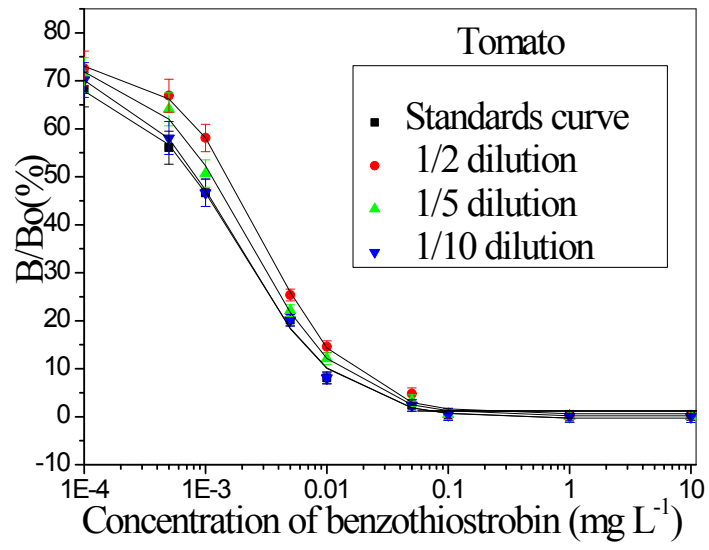


Fig. 2S Matrix effect of tomato sample on the sensitivity of the immunoassays

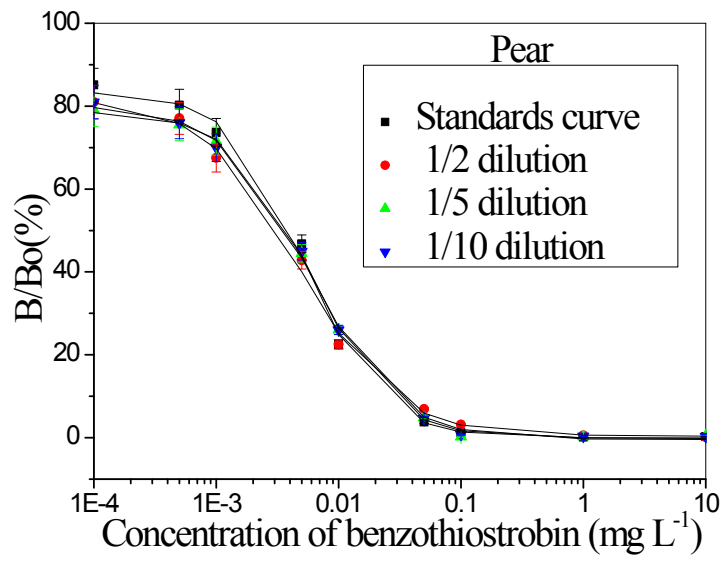


Fig. 3S Matrix effect of pear sample on the sensitivity of the immunoassays

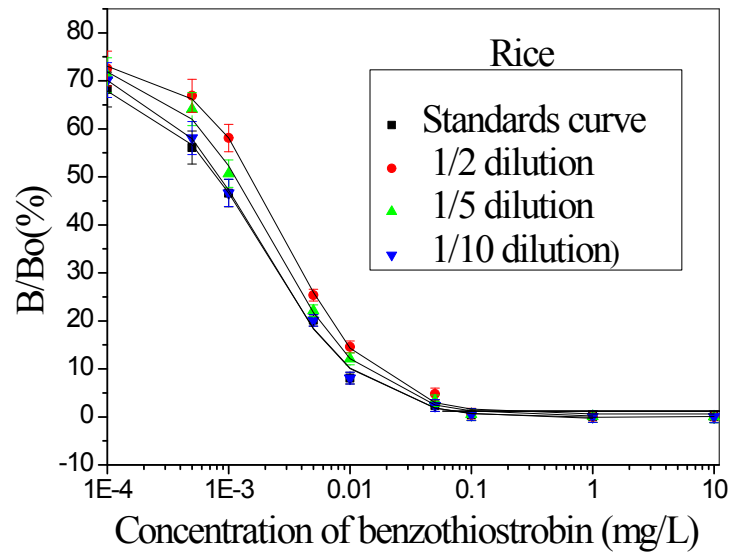


Fig. 4S Matrix effect of rice sample on the sensitivity of the immunoassays

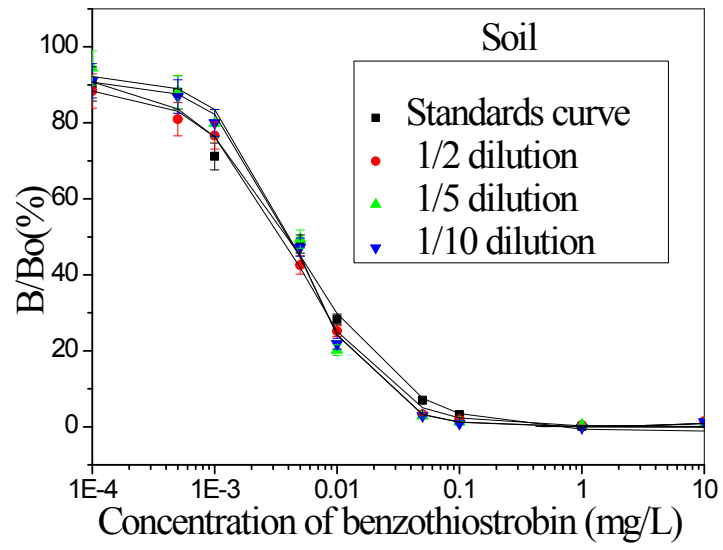


Fig. 5S Matrix effect of soil sample on the sensitivity of the immunoassays

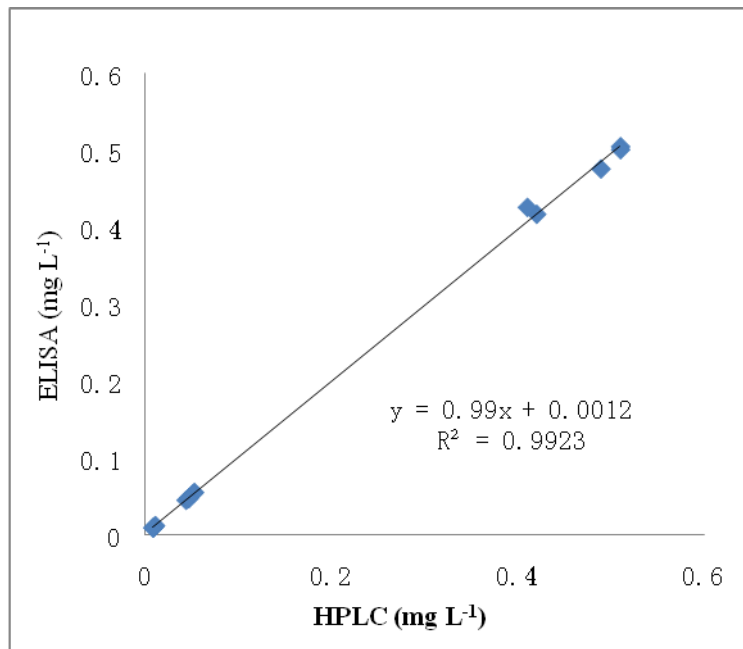


Fig. 6S Correlation between the ELISA and HPLC for the spiked samples