

Table 1 Determination of HBsAg in human serum sample by the proposed immunosensor.

Sample	Added (ng/mL)	Found (n=5, ng/mL)	Average (ng/mL)	RSD (n=5, %)	Recovery (%)
1	0	0.1657, 0.17065, 0.1623, 0.1644, 0.1564	0.164	3.151	-
2	0.25	0.4192, 0.4056, 0.4006 0.4478, 0.4106	0.417	4.482	101.2
3	4.00	4.2012, 4.2711, 4.2360 3.8364, 4.2535	4.159	4.388	99.89
4	8.00	8.4063, 7.9015, 7.9670, 8.1669, 8.4411	8.177	3.011	100.2

Table. S1 The reproducibility test with different concentrations

Concentration (ng/mL)	Found (ng/mL)	Average (n=11, ng/mL)	RSD (n=11, %)
0.05	0.0475, 0.0520, 0.0475, 0.050, 0.0475, 0.0475, 0.0525, 0.047, 0.049, 0.0535, 0.049	0.0494	4.7
0.5	0.489, 0.485, 0.512, 0.504, 0.464, 0.516, 0.473, 0.495, 0.466, 0.534, 0.477	0.492	4.5
5	5.17, 4.98, 5.24, 4.88, 5.32, 5.05, 4.82, 5.11, 5.37, 5.30, 5.39	5.15	3.8