

**1 Quantum dots based multiplex fluorescent quenching immune**  
**2 chromatographic strips for the simultaneous determination of**  
**3 sulfonamides and fluoroquinolones residues in chicken samples**

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Table S1. The optimal conditions of the FQICS

Factors	FQICS
NC membrane	Membrane of 135 s/4 cm
Dilution solution and ratio of the OVA-QDs on C line	PBS containing OVA; 1:8
Dilution solution and ratio of the OVA-QDs on T1 line	PBS containing SQX-OVA; 1:8
Dilution solution and ratio of the OVA-QDs on T2 line	PBS containing NOR-OVA; 1:8
Dilution solution and ratio of coating antigen SQX-OVA on T1 line	PBS; 1:10
Dilution solution and ratio of coating antigen NOR-OVA on T2 line	PBS; 1:8
Dilution solution and ratio of gold labeled SQX McAb	PBS; 1:50
Dilution solution and ratio of gold labeled NOR McAb	PBS; 1:100