

Supplementary material for

Detection of lean meat powder residues in pig liver based on TLC-SERRS

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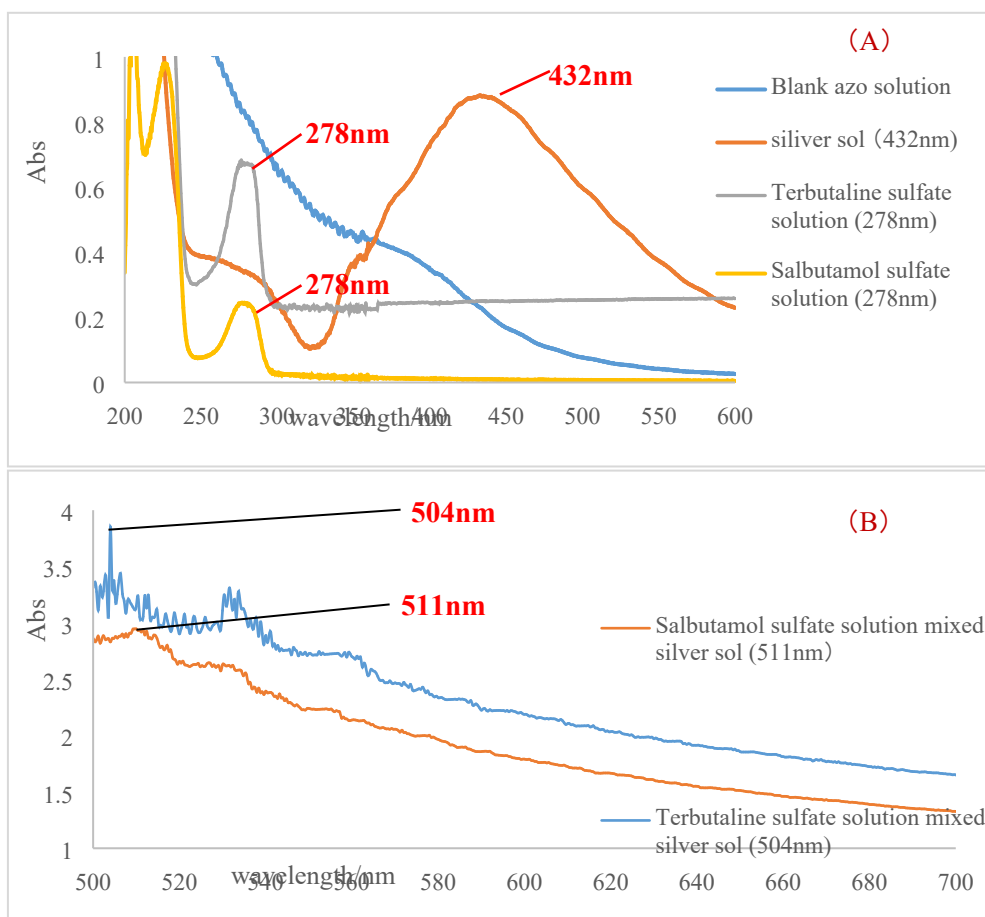


Figure S1. Spectrograms of different solutions

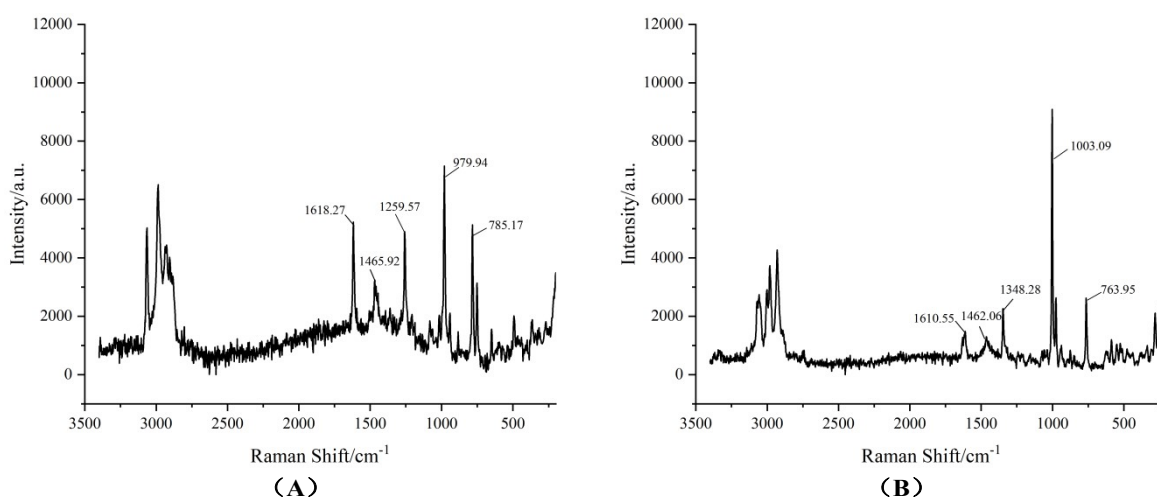


Figure S2. Raman spectra of salbutamol sulfate powder(A) and terbutaline sulfate powder(B)

Table S1. Comparison between the TLC-SERRS and the HPLC-MS/MS to determine of the two residues in pig liver

	TLC-SERRS		HPLC-MS/MS	
	LOD ₁ (μg/kg)	Time required (min)	LOD ₂ (μg/kg)	Time required (min)
salbutamol sulfate	0.04	about 30	0.5	about 240
terbutaline sulfate	0.14	about 30	0.5	about 240

Under the TLC-SERRS , LOD₁ is the actual LODs of salbutamol sulfate and terbutaline sulfate in the TLC-SERRS, respectively, and under the HPLC-MS/MS, LOD₂ is the LODs by the National Standard of the People's Republic of China (No.GB/T22286-2008).