

Table S1. Methods for the determination of veterinary drugs and pesticides in eggs

compounds	matrix	Sample preparation technique	Stationary phase	Mobile phase	Detection- identification	Recoveries	Referen ce
178 pesticides	eggs	Extraction by matrix solid phase dispersion with 50ml Cyclohexane/ethyl acetate; solid phase extractions (SPE) for GC (200mg C18 / 40mgPSA +ACN) and LC (250 mg C18 + acidified MeOH)	Zorbax Eclipse plus-C18 (2.1 mm × 100 mm, 3.5 µm)	A: water; B: methanol both containing 5 mmol/l ammonium formate and 0.02 5% formic acid	LC-ESI-MS/ MS (+) and (-)	1%(Oxydemeton-methyl)~142%(Iprodione)	1
60 pesticides	eggs	Extraction with 1% acetic acid in acetonitrile; d-SPE clean-up:400 mg PSA, 400 mg C18, 45 mg GC B and 1,200 mg MgSO ₄ for GC-MS/MS;120 mg Z-Sep, and 300 mg Discovery® DSC-18 for LC-MS /MS	LC: Zorbax Eclipse Plus C18 column (2.1×100 mm, 3.5 µm) GC: HP-5MS capillary column (30m×0.25 mm, 0.25 µm.)	LC: A: 5mM ammonium acetate and 0.1% (v/v) formic acid in water; B: 0.1% (v/ v) formic acid in methanol	LC-ESI-MS/ MS (+) and (-) and GC-MS/MS	70.1%(Carbendazim)~119.0%(Vinclozolin)	2
10 anticoccidials	eggs	Extraction with acetonitrile; no clean-up	Zorbax Eclipse XDB-C8 column (150 mm × 3 mm, 5 µm)	A: water; B: methanol; C: acetonitrile	LC-ESI-MS/ MS (+) and (-)	84.6% (Lasalocid)~108.4%(Diclazuril)	3
11 coccidiostats	eggs	Extraction with acetonitrile, cleanup with hexane partitioning and a silica SPE cartridge.	Synergi Fusion column (150 mm × 2.0 mm,4 µm)	A: aqueous solution containing 0.1% (v/v) formic acid; B: acetonitrile containing 0.1% (v/v) formic acid and 0.02 mM sodium acetate	LC-ESI-MS/ MS (+) and (-)	68.8%(halofuginone)~113.0%(monensin)	4

14 coccidiostats	poultry muscle and eggs	Extraction with 10 mL of ACN; low-temperature clean up step consisting in maintain the tubes at −30 to −10 °C for 40–60 min in a freezer.	Poroshell 120 EC-C18 column (50 mm×3.0 mm,2.7 μm)	A: water; B: ACN both with 5 mmol L ^{−1} of formic acid and 1 mmol L ^{−1} of ammonium acetate.	HPLC–QqLIT-MS/MS (+) and (-)	73.18% (diaveridine)~ 114.13% (narasin)	5
	chicken liver; chicken muscle; eggs	Extraction with acetonitrile/water (90/10, v/v); solid phase extraction (SPE) on Bond Elut Mycotoxin cartridges	Thermo Hypersil Gold C18 column (150 mm × 2.1 m,3.5 μm)	A: water; B: acetonitrile	LC-ESI-MS/ MS (+) and (-)	64.8% (3- acetyldeoxynivalenol) ~ 108.2% (diacetoxyscirpenol)	6
	chicken muscle; eggs	Extraction with 10 mL of an acetonitrile/water mixture (90:10, v/v); auto solid-phase extraction (SPE)Oasis HLB cartridge	Hypersil Gold C18 (150 × 2.1 mm, 5 μm)	A: 0.1% formic acid in water; B: MeCN.	LC-ESI-MS/ MS (+) and (-)	—	7
120 drugs	eggs	Extraction with acetonitrile (30 ml) and concentrated formic acid (30 μl); 101compounds: dSPE clean up with Na ₂ SO ₄ /PSA/C18 (900/50/150 mg); 6 compounds: dSPE clean up with MgSO ₄ /PSA/C18 (1200/400/400 mg)	Acquity BEH C18 LC column (2.1 × 100 mm, 1.7 μm)	A: water; B: methanol both containing 0.5 mM of ammonium formate and 0.1% formic acid.	LC-ESI-MS/ MS (+) and (-)	—	8
105 antibiotic, anti-inflammatory, antiparasitic agents and tranquilizers	eggs						

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