Clenbuterol in Equine Plasma by LC-MS/MS

ACE® Ultra-inert UHPLC & HPLC Columns

Application #**AN2050**

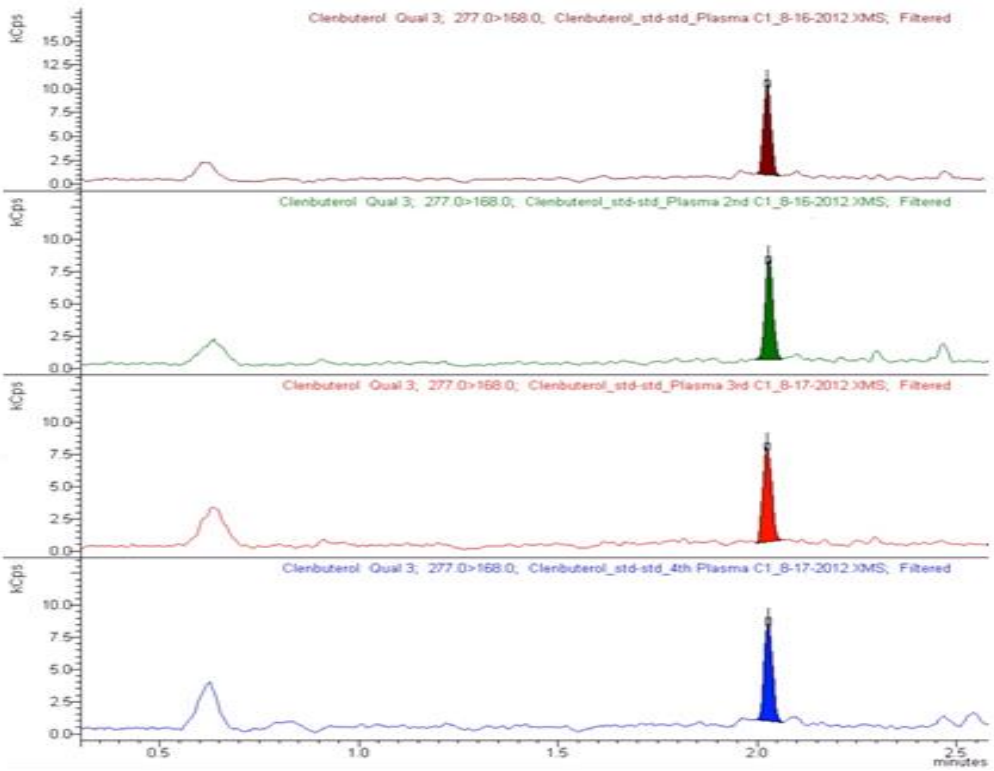
Conditions

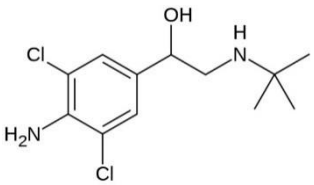
Column:	ACE 3 C18
Dimensions:	100 x 2.1 mm
Part Number:	ACE-111-1002
Mobile Phase:	A: 0.2% formic acid in H_2O
	B: 0.2% formic acid in MeCN

Time (mins)	%B
0.0	10
0.3	10
2.5	95
2.8	10
4.5	10

Flow Rate:	0.45 mL/min
Injection:	30 µL
Detection:	Bruker EVOQ Elite triple quad MS
	VIP heated-ESI temperature: 300 °C
	Cone gas temperature: 300 °C
	Spray voltage: +3500 V

Representative MRM chromatograms of 5 ppt clenbuterol (150 fg on-column)





1. Clenbuterol
(*m/z* 277.1 → 168)

d9-Clenbuterol was used as the internal standard
(*m/z* 286.1 → 204)

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