Clenbuterol in Equine Plasma by LC-MS/MS



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

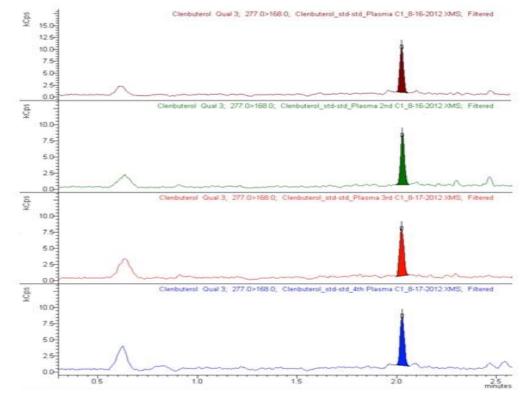
Injection: 30 µL

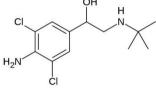
Detection: Bruker EVOQ Elite triple quad MS

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 $(m/z 277.1 \rightarrow 168)$

d9-Clenbuterol was used as the internal standard $(m/z 286.1 \rightarrow 204)$

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