Waters™

應用手冊

Acidic Veterinary Drugs in Horse Urine - LC-MS

Waters Corporation

This is an Application Brief and does not contain a detailed Experimental section.

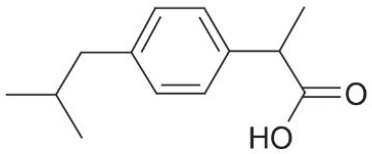
Abstract

This application brief demonstrates analysis of acidic veterinary drugs in horse urine by LC-MS.

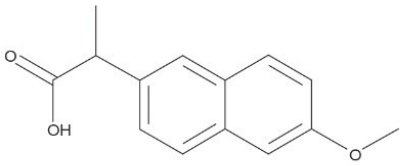
Introduction

The compounds used in this study are –

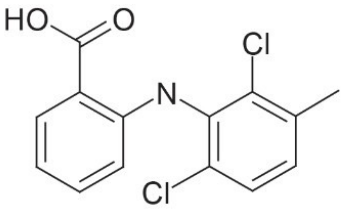
1. Ketoprofen
2. Naproxen
3. Phenylbutazone
4. Ibuprofen
5. Meclofenamic acid



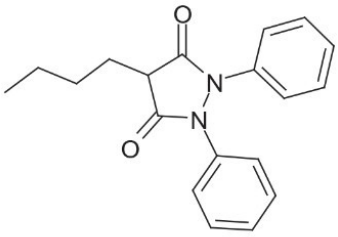
Ibuprofen



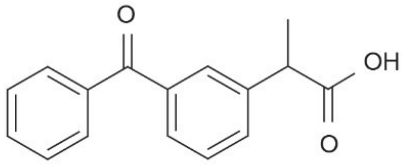
Naproxen



Meclofenamic acid



Phenylbutazone



Ketoprofen

Compounds.

Experimental

Conditions

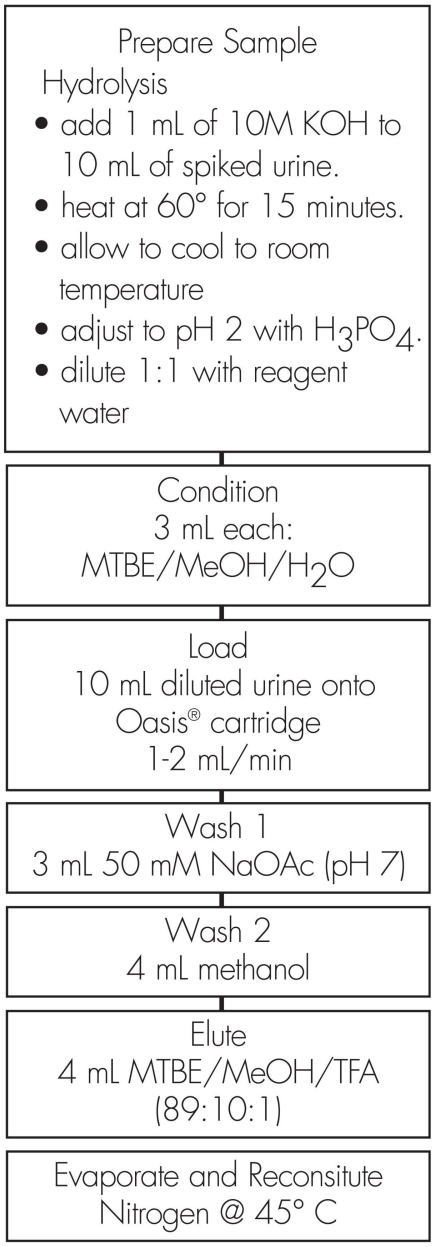
Column:	Xterra MS C_{18} 2.1 x 100 mm, 3.5 µm
Part Number:	186000404

Mobile phase A:	20 mM CH_3COONH_4, pH 4.0
Mobile phase B:	MeOH
Flow rate:	0.175 mL/min
Injection volume:	10 µL
Detection:	Micromass ZQ
Instrument:	Alliance 2695

Gradient

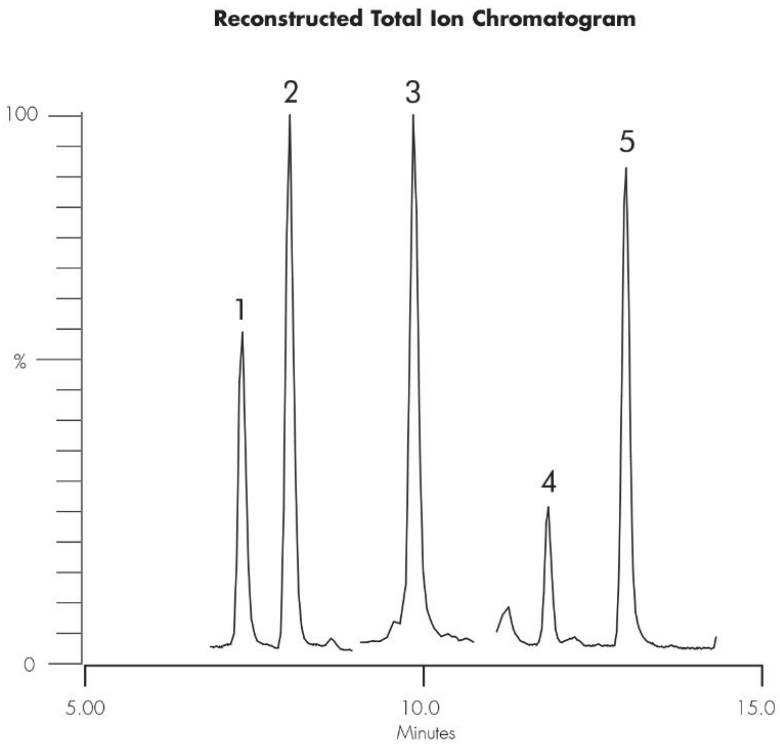
Time (min)	Profile	
	%A	%B
0.0	50	50
10.0	10	90

Oasis® Method
Oasis® MAX, 6 cc (150 mg)
Extraction Cartridge



MTBE - methyl t-butyl ether
TFA - trifluoroacetic acid

Results and Discussion



Featured Products

- Alliance HPLC System <https://www.waters.com/534293>

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