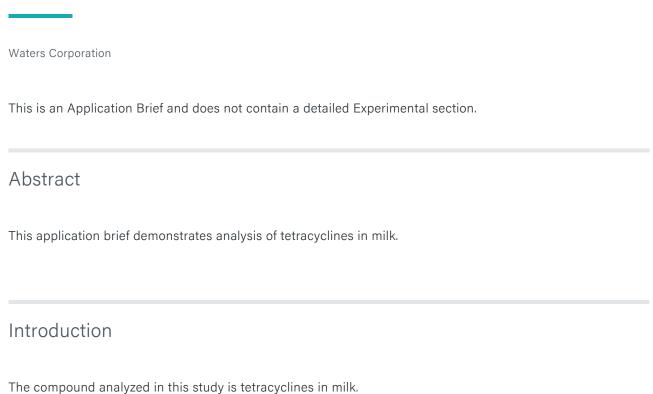
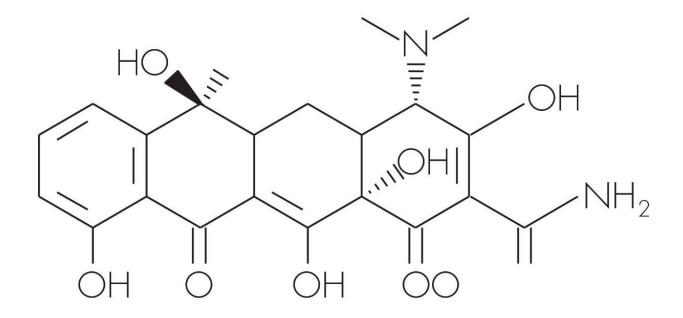
Waters™

Nota de aplicación

Tetracyclines in Milk (Antibacterials)





TETRACYCLINE

Experimental

The milk sample (15 mL) is diluted with 25 mL of McIlvaine (mixed citrate/phosphate, pH 4.1) buffer with added EDTA. The diluted sample is centrifuged at 8000 x g for 10 minutes at 5° C. Any floating lipid layer is removed and the remaining supernatant is processed using Oasis HLB solid-phase extraction cartridges.

For details of the buffer preparation procedure see J.AOAC Int., 79 (2), p 405 (1996).

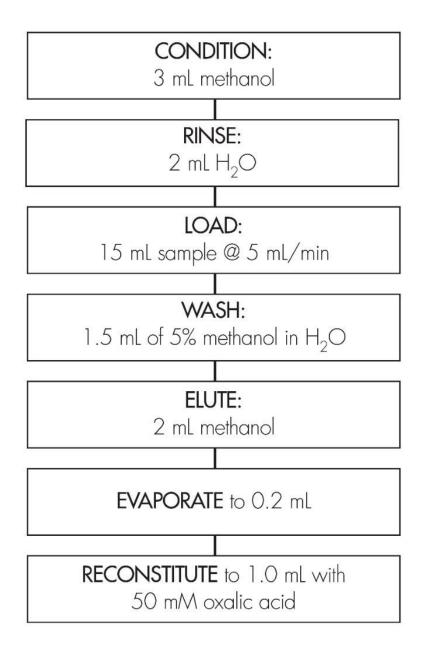
HPLC Method

Column: Nova-Pak C_8 , 3.9 x 150 mm, 4 μ m

Part number: WAT086344
Mobile phase: ACN, Methanol, 50 mm oxalic acid in water; 13:13:74
Flow rate: 0.8 mL/min
Injection volume: 60 μ L
Detection: UV @ 365 nm

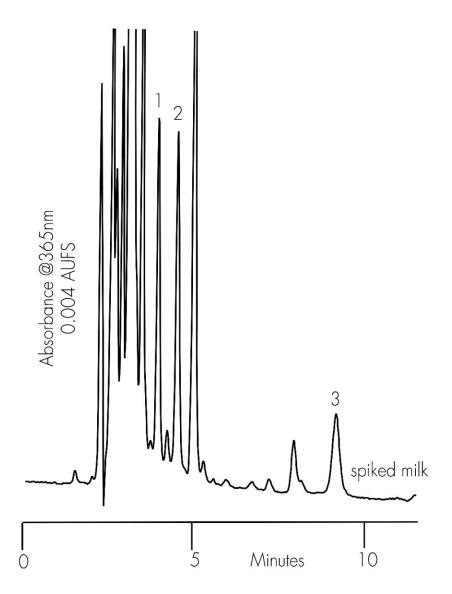
OASIS® HLB EXTRACTION METHOD

Conditions for Oasis® HLB Cartridge, 3 cc, 60 mg Part Number WAT094226



Results and Discussion

Compounds	% Recovery	
	Tap water	Apple
	Spike level	Spike level
	25 μg/L	50 μg/L
	4 replicates	4 replicates
1. Oxytetracycline	70.7 (3.5)	67.7 (5.8)
2. Tetracycline	73.7 (7.3)	68.5 (5.1)
3. Chlortetracycline	76.7 (2.9)	67.3 (1.8)



Featured Products

WA31764.150 , June 2003

© 2022 Waters Corporation. All Rights Reserved.

Terms of Use Privacy Trademarks Sitemap Careers Cookies Preferencias de cookies