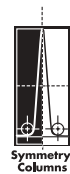


# Salicylic Acid and Related Compounds in Serum

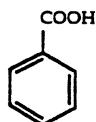


## HPLC Method

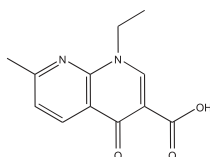
**Column:** SymmetryShield™ RP<sub>8</sub>, 3.0 x 150 mm, 5 μm  
**Guard Column:** Sentry™ guard column, 3.9 x 20 mm, 5 μm  
**Part numbers:** Column - WAT094243, Guard - WAT200675  
**Mobile phase:** 1.2% glacial acetic acid/acetonitrile 75:25  
**Flow rate:** 0.6 mL/min  
**Injection volume:** 10 μL of reconstituted porcine serum extract  
**Temperature:** 40° C  
**Detection:** UV @ 236 nm

### Compounds:

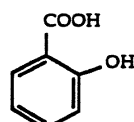
- 1: Benzoic acid
- 2: Nalidixic acid (I.S.)
- 3: Salicylic acid



1. Benzoic acid



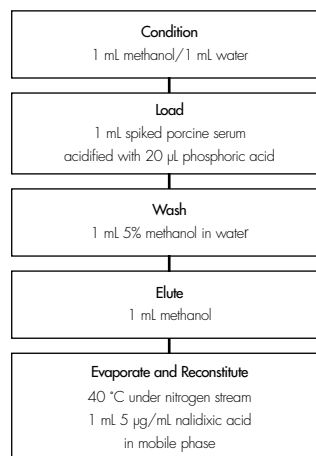
2. Nalidixic acid (I.S.)



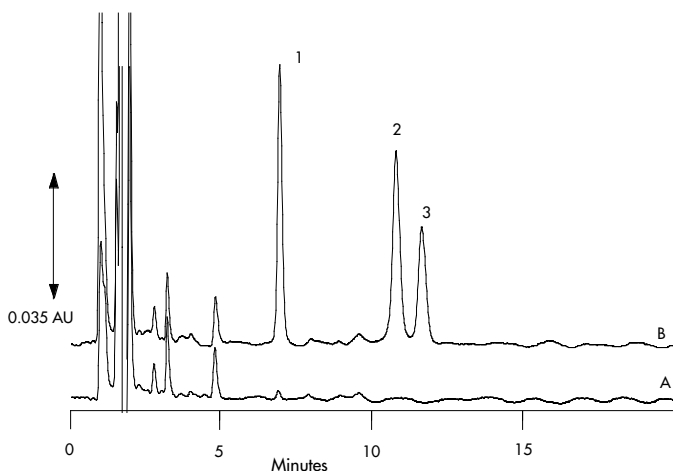
3. Salicylic acid

## Oasis® HLB Extraction Method

Oasis® HLB 1 cc/30 mg Extraction Cartridge  
 Part Number WAT094225



Chromatogram of Serum Extracts: A) Blank B) Spiked Sample



Compound	Concentration μg/mL	% Recovery	%RSD (n=6)
Benzoic Acid	0.100	84.8%	3.8%
	0.500	87.1%	3.0%
Salicylic Acid	0.100	92.3%	5.0%
	0.500	91.3%	3.3%