

## Acyclovir in Plasma

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Waters Corporation



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

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### Abstract

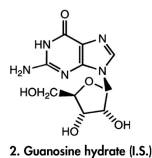
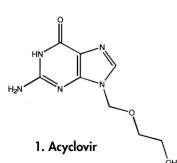
This application brief highlights the analysis of Acyclovir in plasma using SymmetryShield columns.

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## Introduction

Compounds used in this study are:

1. Acyclovir
2. Guanosine hydrate



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## Experimental

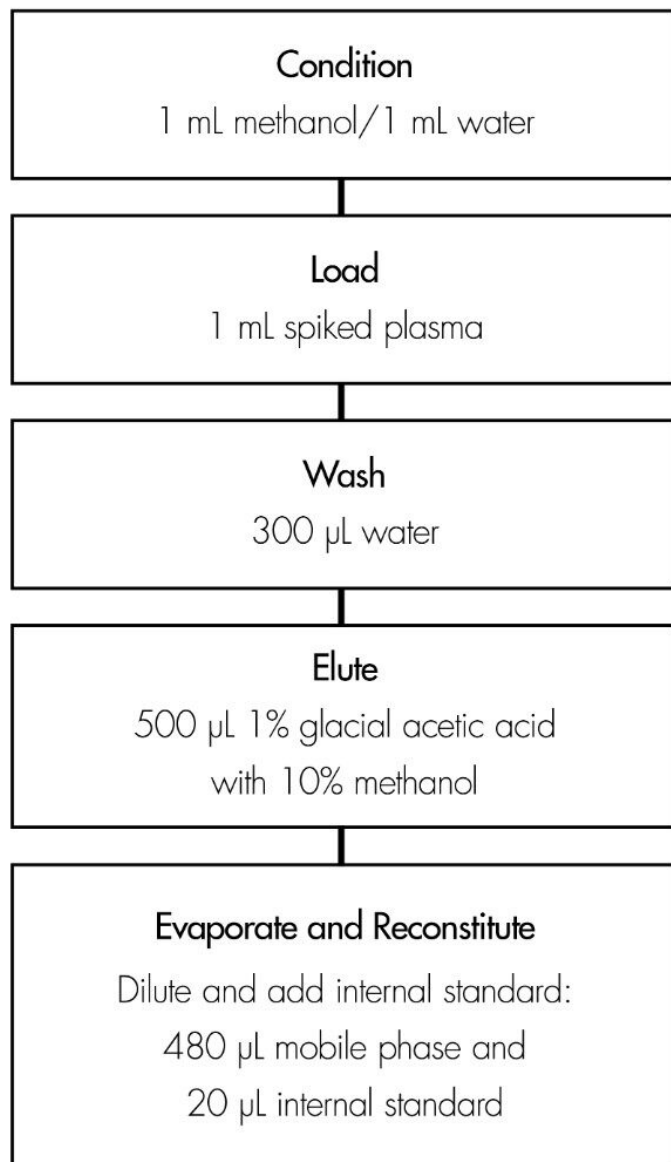
### HPLC Method

|                   |                                                                     |
|-------------------|---------------------------------------------------------------------|
| Column:           | SymmetryShield RP <sub>8</sub> , 3.9 x 20 mm, 5 µm (p/n: WAT200655) |
| Guard column:     | Sentry guard column 3.9 x 20 mm, 5 µm (p/n: WAT200675)              |
| Mobile phase:     | 20 mM ammonium acetate, pH 5                                        |
| Flow rate:        | 1.0 mL/min                                                          |
| Injection volume: | 50 µL                                                               |
| Detection:        | UV @ 250 nm                                                         |

# Oasis® HLB Extraction Method

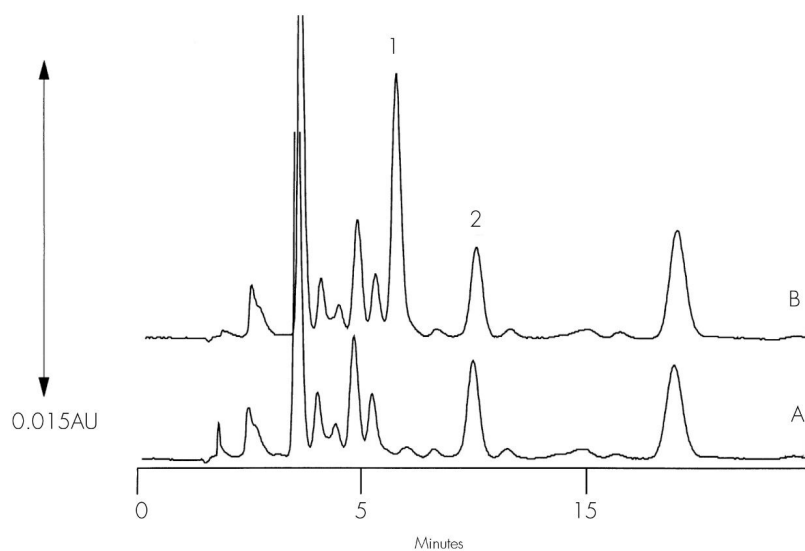
Oasis® HLB 1 cc/30 mg Extraction Cartridge

Part Number WAT094225



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## Results and Discussion



| Compound  | Concentration<br>µg/mL | % Recovery | %RSD<br>(n=6) |
|-----------|------------------------|------------|---------------|
| Acyclovir | 1.0                    | 95.1%      | 3.4%          |
|           | 0.20                   | 98.3%      | 5.0%          |

## Featured Products

WA31763.17, June 2003