# Waters™



# Barbiturates

Waters Corporation

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

#### **Abstract**

This application brief details on the analysis of barbiturates using Symmetry Columns.

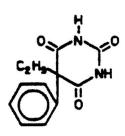
### Introduction

The compounds analyzed in this study are:

- 1. Barbital
- 2. Allobarbital
- 3. Phenobarbital
- 4. Butabarbital
- 5. Butalbital
- 6. Amobarbital

#### 7. Mephobarbital

#### 1. Barbital



#### 3. Phenobarbital

5. Butalbital

7. Mephobarbital

### 2. Allobarbital

4. Butabarbital

6. Amobarbital

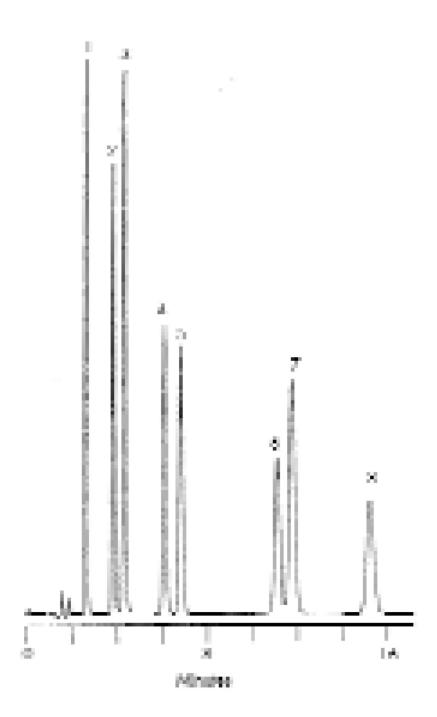
8. Secobarbital

## Experimental

#### **HPLC** Method

Column:Symmetry C8, 3.9 x 150 mm, 5 μmGuard column:Symmetry Guard Column 3.9 x 20 mm, 5 μmPart numbers:Column - WAT046970, Guard - WAT054250Mobile phase:100 mM Potassium phosphate, pH<br/>6.9/acetonitrile/water 20:30:50Flow rate:1.0 mL/minInjection volume:10 μL of 25μg/mL sampleDetection:UV @ 214 nm

### Results and Discussion



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