



# HPLC & UHPLC Columns

## Application Note: LC-CLIN607

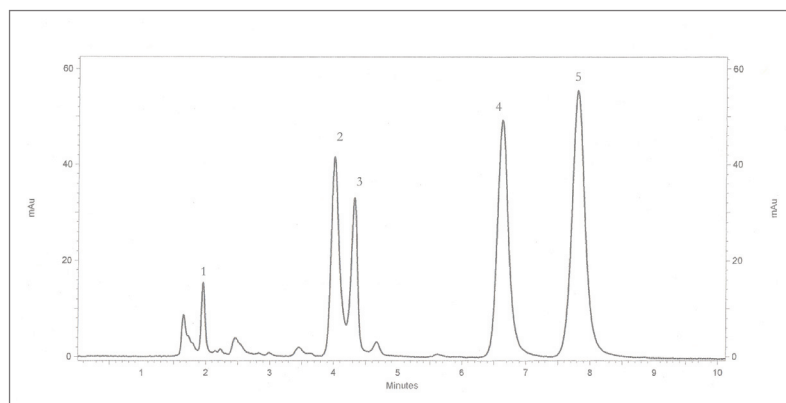
### Analysis of Norephedrine, Nortriptyline, Toluene, Imipramine and Amitriptyline

#### Introduction

This application note describes an HPLC method for the separation of the antidepressant drugs Norephedrine, Nortriptyline, Toluene, Imipramine and Amitriptyline.

#### HPLC Conditions

HPLC Column: TELOS SY C18 5 $\mu$  15cm x 4.6mmid  
Part Number: 1600-5-150-046



#### Analytes

1. Norephedrine
2. Nortriptyline
3. Toluene
4. Imipramine
5. Amitriptyline

#### HPLC Conditions

Mobile Phase: 80/20 v/v, Methanol/20mM Potassium Phosphate, pH 7  
Flow Rate: 1ml/min  
Detection: UV @ 225nm  
Inj. Volume: 5 $\mu$ l  
Temperature: 23°C

#### TELOS SY

The TELOS SY product line is an equivalent to Waters Symmetry®. The most popular material is C18; Kinesis offers the TELOS SY C18 column with equivalent selectivities in both 3.5 and 5 micron particles. In addition to the C18, TELOS SY is available as C8, and 300A C18 and C8. Excellent efficiencies, peak shape and resolution are obtained for virtually all Symmetry HPLC applications from high quality TELOS SY HPLC columns. The range of particle sizes offers amazing versatility from capillary and LC/MS to analytical HPLC. TELOS SY SH materials are also available as an equivalent to Waters SymmetryShield™ materials.

Kinesis offer a comprehensive range of TELOS and TELOS Commercial Equivalent HPLC & UHPLC Columns. For further information please visit your local Kinesis website shown at the bottom of this application note.

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