

## Solvents

# Headspace analysis of solvent standards in DMSO

## Application Note

BioPharma

### Authors

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### Introduction

Gas chromatography with headspace analysis and an Agilent CP-Select 624 CB column separates 18 solvent standards in DMSO in 30 minutes.



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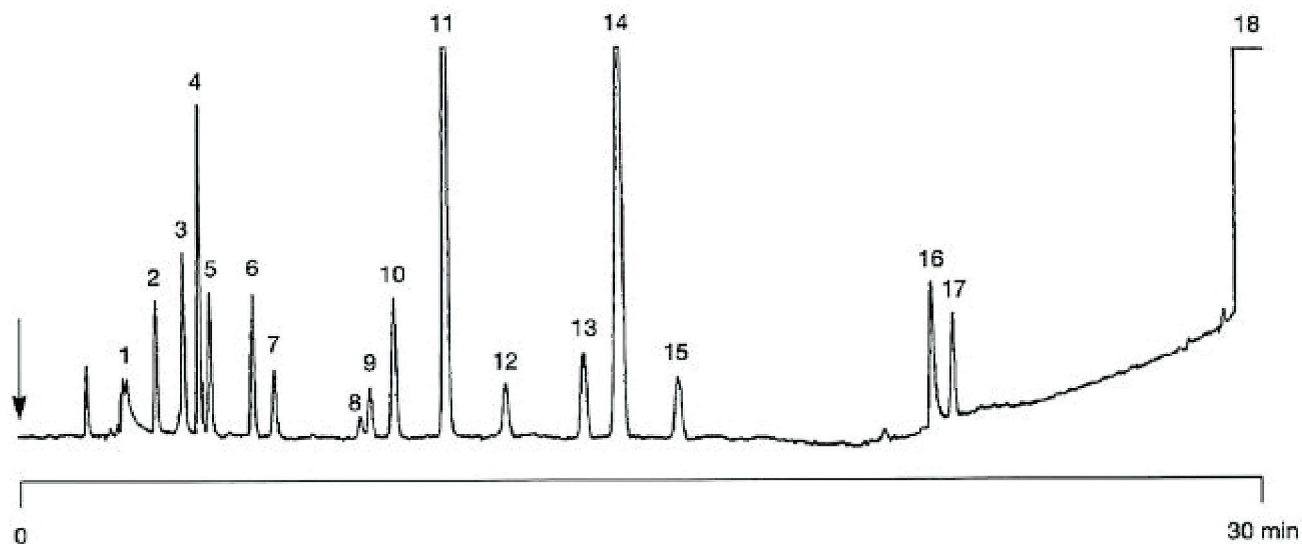
## Conditions

Technique : GC-capillary  
Column : Agilent CP-Select 624 CB, 0.32 mm x 30 m fused silica WCOT (df = 1.8 µm) (Part no. CP7414)  
Temperature : 40 °C (20 min) → 24.0 °C. 10 °C/min  
Carrier Gas : He, 70 kPa (0.7 bar, 10 psi)  
Injector : Headspace, T = 125 °C  
Detector : FID, T = 240 °C  
Sample Size : 500 µL  
Solvent Sample : DMSO

Courtesy : Mrs I. Demuynck  
Technologie Servier, Ortiéans, France

## Peak identification

1. methanol (+ interference)
2. ethanol
3. acetone
4. acetonitrile
5. dichloromethane
6. hexane
7. diisopropyl ether
8. tetrahydrofuran (THF)
9. trichloromethane (chloroform)
10. cyclohexane
11. benzene
12. heptane
13. trichloroethylene
14. methylcyclohexane
15. dioxane
16. pyridine
17. toluene
18. dimethyl sulfoxide (DMSO),  
sample solvent



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This information is subject to change without notice.

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