

# TR-SimDist

## TRACE GC Capillary Column

### Key Words

- ASTM-D2887
- High Temperature
- Simulated Distillation

### Introduction

The TR-SimDist column from Thermo Electron Corporation column has been specifically designed for simulated distillation analysis. This analysis places a heavy demand on the column due to the high oven temperatures required to elute the higher molecular weight hydrocarbons. With a temperature limit of 400°C, the TR-SimDist meets these requirements. The phase is strongly cross-linked and the stable bleed profile also allows for consistent background subtraction which is common practice.



### Phase Type

100% Dimethyl Polysiloxane

### Maximum Temperatures

400°C for films <1µm, 370°C for 2.65µm films

### USP Category

N/A

### Cross Reference of Competitor Phases

DB-HT Sim Dis, DB-2887, BPX1, Rtx-2887, HP-1, Petrocol 2887, Petrocol EX2887

### Application

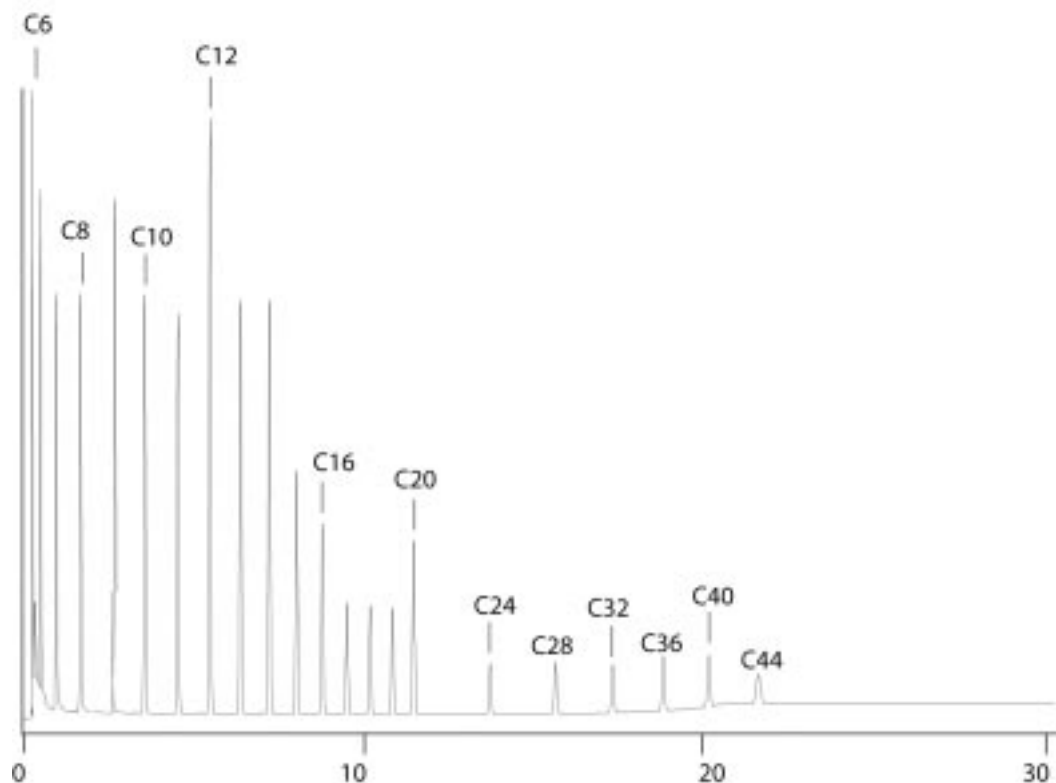
The example application shows the analysis of a hydrocarbon standard and demonstrates the low bleed of this simulated distillation column.

### TR-SimDist Product Information

ID (mm)	FILM THICKNESS (µm)	LENGTH (m)	PART NO.
0.1	0.10	10	260S020P
0.53	0.10	10	260S025P
0.53	0.90	10	260S250P
0.53	2.65	6	260S347S
0.53	2.65	10	260S348P

## Analysis of Standard for D2887

Part No.: 260S348P  
Phase: TR-SimDist, 2.65µm film  
Column: 10m x 0.53mm ID  
Initial Temp.: 40°C  
Rate: 15°C/min  
Final Temp.: 350°C, 10min  
Detector Temp: 400°C  
Carrier Gas: Helium, 20mL/min  
Initial Temp.: 80°C  
Rate: 15°C/min  
Final Temp.: 350°C, 10min

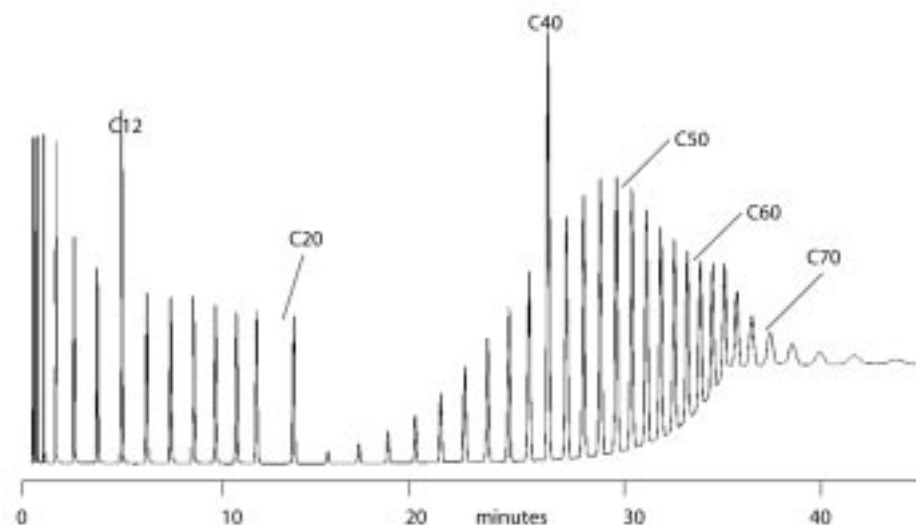


## Retention Time Hydrocarbon Standard on TR-SimDist

Phase: TR-SimDist, 0.9µm film  
Column: 10m x 0.53mm ID  
Initial Temp.: 40°C  
Rate: 10°C/min  
Final Temp.: 390°C, 10min  
Detector Temp: 400°C  
Carrier Gas: Helium, 20mL/min  
Column Part No.: 260S250P

Separation Systems Injector  
Final Temp.: 390°C, 10min  
Initial Temp.: 80°C  
Rate: 10°C/min

Note: No background subtraction was performed



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