

TraceGOLD GC Column with Integrated SafeGuard Column

Ordering Information

TraceGOLD GC Column	Phase Dimensions	SafeGuard Length	Part Number
TG-1MS	30m x 0.25mm x 0.25µm	5m	26099-1425
TG-1MS	30m x 0.53mm x 1.00µm	5m	26099-2985
TG-1MS	30m x 0.53mm x 5.00µm	5m	26099-4705
TG-5MS	20m x 0.18mm x 0.18µm	5m	26098-5785
TG-5MS	15m x 0.25mm x 0.25µm	5m	26098-1305
TG-5MS	30m x 0.25mm x 0.10µm	5m	26098-0475
TG-5MS	30m x 0.25mm x 0.25µm	5m	26098-1425
TG-5MS	30m x 0.32mm x 0.25µm	5m	26098-1435
TG-5MS	30m x 0.25mm x 0.50µm	5m	26098-2235
TG-5SILMS	15m x 0.25mm x 0.25µm	10m	26096-1301
TG-5SILMS	30m x 0.25mm x 0.25µm	5m	26096-1425
TG-5SILMS	30m x 0.25mm x 0.25µm	10m	26096-1421
TG-5SILMS	30m x 0.25mm x 0.50µm	5m	26096-2235
TG-5SILMS	30m x 0.32mm x 0.50µm	5m	26096-2245
TG-WAXMS	15m x 0.25mm x 0.25µm	5m	26088-1305
TG-WAXMS	30m x 0.25mm x 0.25µm	10m	26088-1421
TG-WAXMS	30m x 0.32mm x 0.25µm	5m	26088-1435

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Japan +81 3 5826 1615

China +86-21-68654588 or +86-10-84193588
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India 1 800 22 8374 (toll-free) or +91 22 6716 2200
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Technical Support
North America +1 800 332 3331
Outside North America +44 (0) 1928 534 440

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TraceGOLD with SafeGuard

Extend column lifetime

without compromising performance

Analysts are looking to extend the life of their columns without impacting chromatographic performance. Thermo Scientific TraceGOLD with Thermo Scientific SafeGuard is an integrated approach that eliminates the potential problems normally associated with using guard columns for chromatography analysis.

Prolong column life

The innovative TraceGOLD™ with SafeGuard features a GC Column with integrated guard column. Guard columns are typically used to extend the lifetime of the analytical column. During routine maintenance of a GC system, a section of the front end of the column is cut off. This shortens the column and eventually impacts the chromatographic performance. Using TraceGOLD with SafeGuard means you can cut your column with no impact on performance.

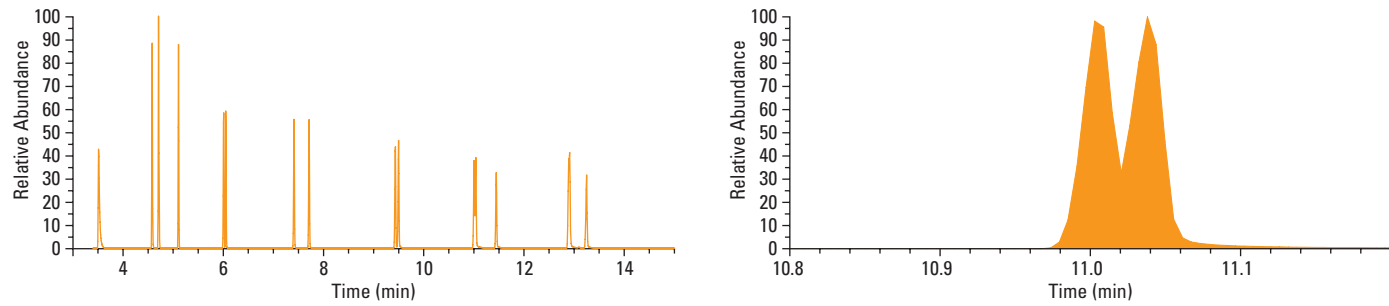


Figure 1: Left: TIC for the standard 5% phenyl column showing initial trace before cutting; Right: Close up of BK resolution in above trace. A standard 5% phenyl column was compared with a TraceGOLD with SafeGuard column. In both cases, the columns were analysed pre-cut and after 13m of the column had been cut.

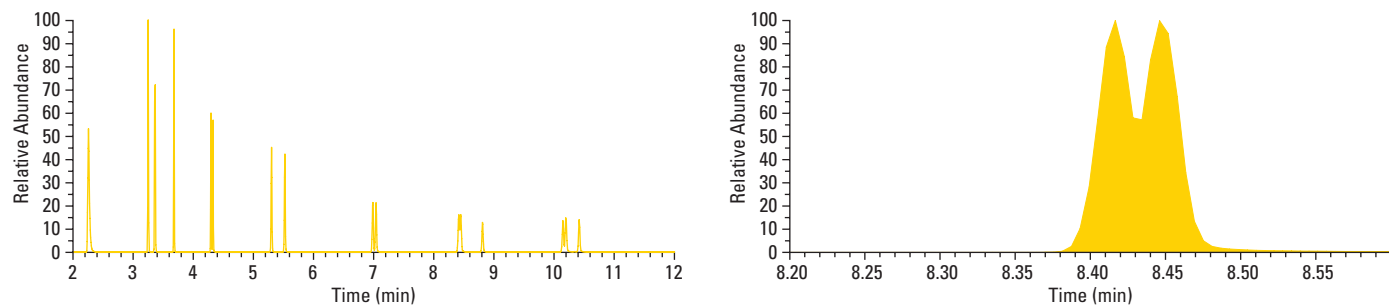


Figure 2: Left: TIC for standard 5% phenyl column after cutting 13m off column; Right: Close up of BK resolution in above trace. A significant drop in resolution is seen after cutting the column.

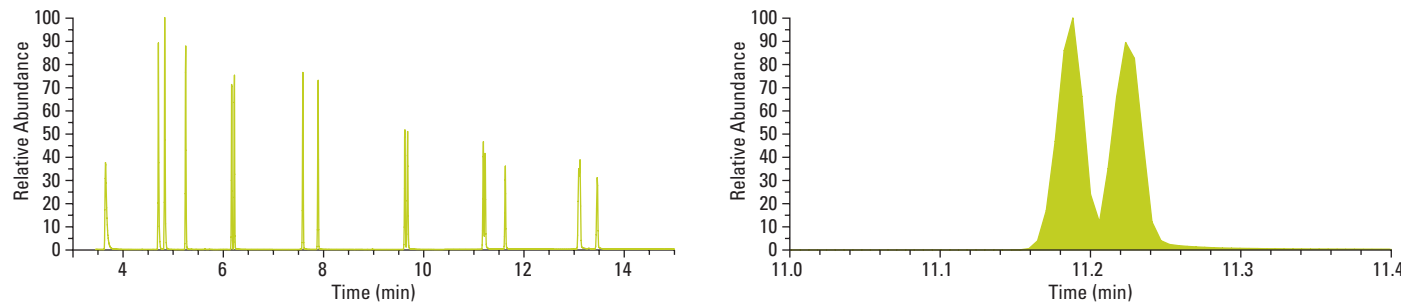


Figure 3: Left: TIC for the new Integra Guard column showing initial trace before cutting; Right: Close up of BK resolution in above trace.

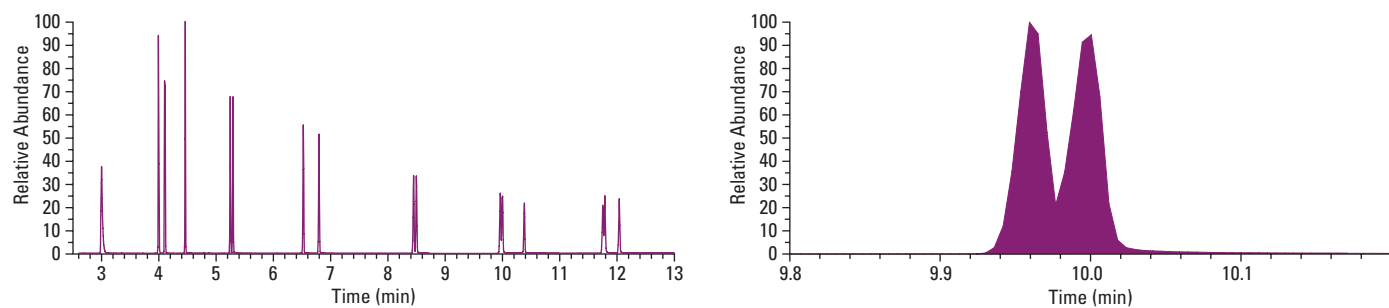


Figure 4: Left: TIC for the new Integra Guard column after cutting 13m off column; Right: Close up of BK resolution in above trace. A minimal drop in resolution is seen after cutting the column.

Deliver the highest quality analysis every time

Leveraging over 30 years of chromatography expertise, we continue to set the GOLD standard for chromatography consumables. Our TraceGOLD with SafeGuard is ideally suited for applications in the environmental, forensics, food safety, and petrochemical industries.

Uses	TG-1MS Column	TG-5MS Column	TG-5SILMS Column	TG-WAXMS Column
Solvent Impurities	●	●	●	
PCB Components	●	●	●	
Essential Oils	●	●	●	
Hydrocarbons	●	●	●	●
Semi-volatiles	●	●	●	
Pesticides	●	●	●	
Drugs of Abuse	●	●	●	
Refinery Gases	●			
Phenols				●
Amines				●
PAHs				●

