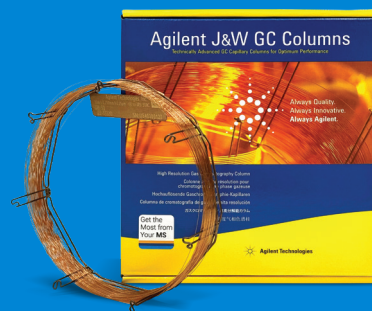


Not All 5-Phase Columns Are the Same, and Here Is the Proof:

New study confirms
Agilent J&W HP-5Q GC columns
improve GC/MS workflow efficiency



The Agilent J&W Q GC column family sets new industry standards for ultralow-bleed. The result? Less ion source cleaning, improved data quality, and improved productivity.

Less downstream contamination

Column bleed results in downstream contamination, which over time, will impact ion source sensitivity, resulting in frequent ion source cleaning. Figure 1 illustrates the impact of contamination at elevated temperatures for different 5-phase type columns. The HP-5Q column exhibited the lowest contamination.

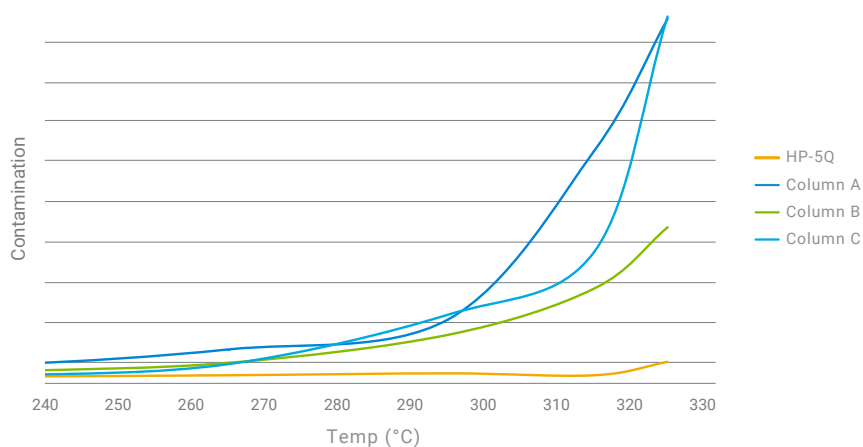


Figure 1

Improved thermal stability

Thermal stability contributes to reproducible data and productivity. The graph in Figure 2 shows baseline equilibration times over an expanded oven temperature range. The HP-5Q column demonstrated the quickest baseline stability at various oven temperatures, which results in faster cycling times, minimizing reruns.

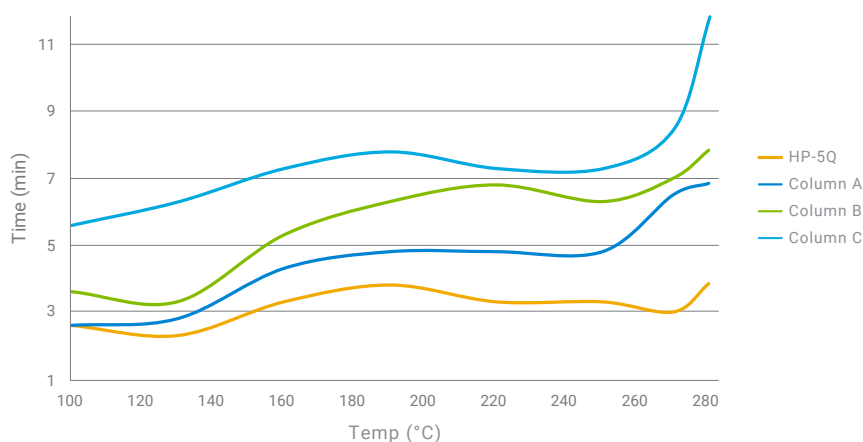


Figure 2

Ultrafast conditioning

Conditioning can be resource and time consuming, thus limiting laboratory productivity and profitability. The graph in Figure 3 represents a comparison of four 5-phase columns conditioned at 325 °C. The HP-5Q column exhibited the fastest equilibration time during conditioning, leading to increased sample throughput and productivity.

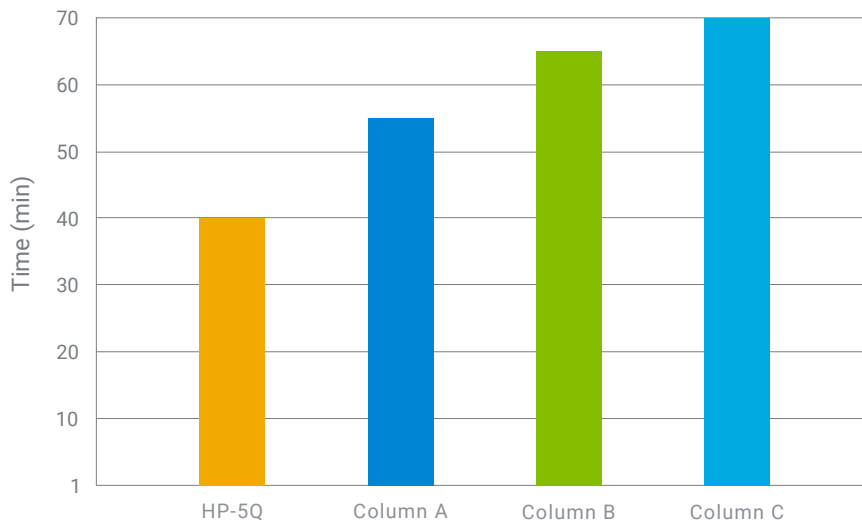


Figure 3

[Explore Agilent J&W 5Q column options](#) →

Contact your Sales Representative to learn more
about our GC/MS workflow efficiency calculator.

DE-010079

This information is subject to change without notice.