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Agilent unveils innovative J&W 5Q GC/MS columns for superior gas chromatograph performance

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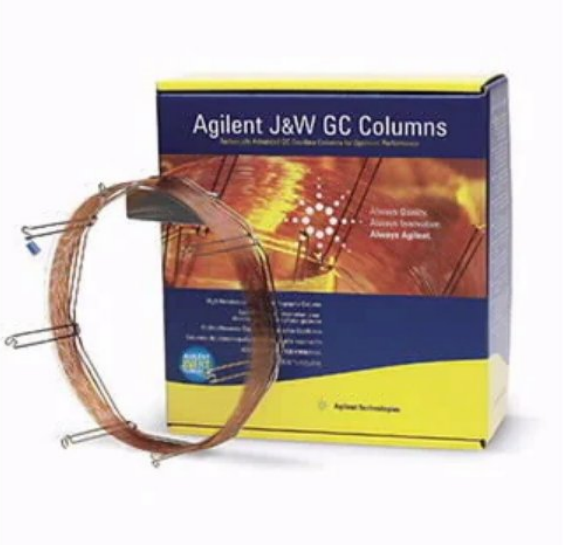
Available in a range of dimensions, the Agilent J&W 5Q GC/MS columns extend the analytical options available to labs



Agilent Technologies Inc. has announced the release of its new Agilent J&W 5Q GC/MS Columns, representing a major advance in gas chromatography/mass spectrometry (GC/MS) column technology. Agilent has a 50-year history of innovation in gas chromatography, continually setting the standard for GC column performance.

The new Agilent J&W 5Q GC/MS columns combine Agilent's industry-recognised ultra-inert performance and ultra-low-bleed technology, delivering unmatched performance and durability for the most demanding applications.

In modern gas chromatography/mass spectrometry (GC/MS) workflows, GC/MS columns are often subjected to complex matrices and chemically active analytes that require reporting at trace levels. Under these conditions, maintaining the data quality needed to meet regulatory targets or other analytical requirements necessitates more frequent column changes, source cleaning, and potential sample re-runs, which decreases laboratory efficiency and increases costs.

Agilent J&W GC/MS 5Q columns provide exceptional peak symmetry for active analytes and set a new industry standard for minimal column bleed, enabling high sensitivity, maintaining accuracy and mass spectral fidelity, and accurate quantitation for the most challenging trace-level analytes. Additionally, these new GC/MS columns feature faster conditioning and are especially resistant to conditions that can shorten column life. Agilent J&W GC/MS 5Q columns enhance system performance in particularly difficult conditions, such as the use of hydrogen as a carrier gas, and in environmental workflows targeting emerging analytes of interest, where exceptional sensitivity and column durability are critical.