



LABIO MEDICAL
BREATH DIAGNOSTICS

Chromatography

Market Facts about the
chromatography market
and our mission to
revolutionize it

OUR SERVICES

Chromatography
Breath Analysis
Drug Development
R&D Cooperation
Clinical Trials

**Read about our patented
technology with endless
potential in Life Science**

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Chromatography Market

Chromatography is used worldwide in analytical chemistry. It is a technique for separating components or solutes of a mixture. Chromatography techniques are today used in various application areas such as, food production, genetic engineering, biotechnology, pharmaceutical, diagnostics, water analysis and drug discovery.

The global expansion of the chromatography market is led by pharmaceutical companies for new drug discoveries as the world's population get older and increases. New methods and techniques lead to cost-effective drug pipelines.

- The chromatography market was valued at \$8,706.00 million in 2020 and is projected to increase with a CAGR of 5,80% to 2030¹
- The largest chromatography market is (1) North America followed by (2) Europe and accounts of 70% of the total market share. Asia is increasing its market share.
- Demand of chromatography instruments lead the market.

Local Asian companies are founded by pharmaceutical companies headquartered in the West for outsourcing its research and manufacturing operations.

Pharmaceutical companies need more chromatography tests for drug approval, and it is propelling the Chromatography Instrument Market.²

¹ <https://www.alliedmarketresearch.com/chromatography-market-A13099>

² <https://www.marketdataforecast.com/market-reports/chromatography-instrumentation-market>

Increased demand of new analytical methods meeting sufficient requirements

There are a variety of technologies and systems trying to meet the requirements of qualitative analysis. But there are several complex criteria for maintaining reliable qualitative analysis. Technologies need to be combined with several instruments for a single test, and a single analysis is a step-by-step procedure requiring hours to days to perform. This is not optional for reducing the time-to-market for the pharmaceutical industry.

The chromatography market is mainly about mass spectrometry (MS) and ultra-performance liquid chromatography (UPLC), and gas chromatography (GC). Often expensive and not combined systems with different suppliers.

Innovation in analytical chemistry

Analytical methods and innovations need to meet the new requirements of customers. It is a balance between providing qualitative chemical analysis that outperforms existing analytical methods. Innovations also need to be easy-to-use and reliable 24/7.

Our vision is that qualitative and quantitative analysis is not a step-by-step procedure, but fast, qualitative, and reliable suitable for reducing the time-to-market for e.g., the pharmaceutical industry.

Gas Chromatographic – Ultraviolet Analysis

The patented GC-UV technology is a well-known, peer-reviewed technology and our technology have contributed to deeper academical research in Life Science regarding isomers (drug development) and breath analysis (diagnostics).

The analytical method has the state-of-the-art ability to detect and identify small quantities and low concentrations of several chemical substances, either in complex mixtures or as individual components.

The technology could be used in laboratories for general chemical analysis as an independent system or as a compliment to existing analytical methods as GC-MS or LC-MS.

The GC-UV is based on UV-light absorption, and we can measure compounds down in the vacuum-UV without the need for additional systems for performing the analysis. The UV-wavelength range can show several compounds with high sensitivity, that cannot be measured using traditional analytical methods.

Conclusion

We have patented a full scan analytical method that finally can meet the requirements of the Chromatography Instrument Market. We strive to innovate the chromatography market with our ambitions to make it a standard analytical method worldwide. There are several advantages of the GC-UV method of analysis. Customer's vision became our mission, and we strive to achieve a better world where qualitative and quantitative analysis can be used in several industries.

Traditional gas chromatography is very widely used and a well-known analytical method for chemical detections and analysis installed in million of laboratories worldwide. The GC-UV analytical method is based on the principle of Lambert Beers Law and is one of the most reliable quantification principles in chemical analysis.

We are joining partnership programs to further educate about the GC-UV technology and distribute our systems

For more information, visit www.labio.se



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