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Determination of active components in medicines and food on Shimadzu chromatographies

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The challenges faced by pharmaceutical manufacturers and developers are varied and complex. When analytical instruments are needed in the development and analysis of both small molecule therapeutics and biotherapeutics, the need for solutions that are innovative and reliable becomes clear. Whether your challenges are reducing the time to deliver pre-clinical drug candidates or ensuring lot-to-lot quality while maintaining data integrity, Shimadzu provides technologies built for your success.

Monitoring of active compounds and drug is required to enforce legislation and guarantee food safety, and quality of medicine drugs.

Liquid chromatography (LC) and Gas chromatography (GC) are the prevailing techniques for determination of compounds in both types of matrixes because LC offers a versatile and universal separation mechanism suitable for non-volatiles compounds and GC are for volatiles and gas compounds.

Depending on the type of analysis, LC can coupled with PDA or MS detector and GC can be coupled with FID and MS detector.

Shimadzu corporation creates a wide range of configuration of lc and gc chromatographs that can be used for analytical purposes, primarily in the analysis of active components in food and pharmaceutical products.