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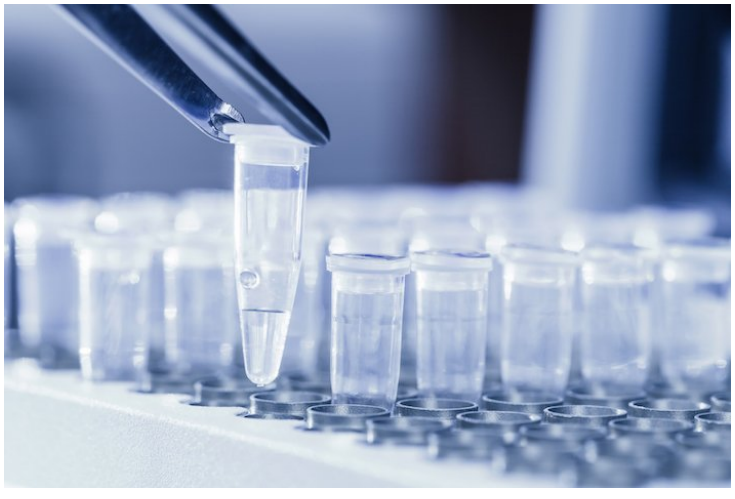
Thermo Fisher announces launch of innovative mass spectrometry solution Exent

26 August 2023 | News

Transforming monoclonal gammopathy management to address an unmet clinical need



Thermo Fisher Scientific has announced the commercial launch of the EXENT Solution, after receiving IVDR certification. The EXENT solution is a fully integrated and automated mass spectrometry system designed to transform diagnosis and assessment for patients with monoclonal gammopathies, including multiple myeloma which, according to the World Health Organisation in 2020, is the second most prevalent blood cancer worldwide.

The EXENT Solution is now commercially available in the following countries: Belgium, France, Germany, Italy, the Netherlands, Spain and United Kingdom.

The solution enables clinical laboratories to measure, quantify and track specific endogenous M-proteins and exogenous therapeutic monoclonal antibodies with enhanced analytical sensitivity and specificity in serum. It is easy to implement in routine laboratory use and features three integrated modules: EXENT-iP®500, an automated sample preparation instrument; EXENT-iX®500, a Matrix Assisted Laser Desorption Ionization - Time of Flight Mass Spectrometer (MALDI-ToF MS); and EXENT-iQ®, an intelligent and intuitive workflow software, including data review.

The analyser is combined with the EXENT® Immunoglobulin Isotypes (GAM) immunoassay, a highly sensitive and specific immunoassay for measuring and quantifying IgG, IgA, and IgM.