

Bruker SampleJet consumables

BRUKER NMR
CONSUMABLES



Code		Description	Qty
RACKS			
Z107504	1.0 mm	SampleJet Rack 1.0 mm with coded caps 96 SampleJet NMR tubes 1.0 x 103.5 mm with cap with hole with code	1 - up
Z106462	1.7 mm	SampleJet Rack 1.7 mm with coded caps 96 SampleJet NMR tubes 1.7 x 103.5 mm with cap with hole with code	1 - up
Z112272	3.0 mm	SampleJet Rack 3.0 mm with coded caps 96 SampleJet NMR tubes 3.0 x 103.5 mm with cap with hole with code	1 - up
Z112273	5.0 mm	SampleJet Rack 5.0 mm with coded caps 96 SampleJet NMR tubes 5.0 x 103.5 mm with cap with hole with code	1 - up
SHUTTLES & ACCESSORIES			
Z72497	1 to 5 mm	100 POM balls POM balls to close SampleJet tubes caps. Set of 100 balls	1 - up
Z107648	1.0 mm	Shuttle for SampleJet 1.0 mm tubes Non-spinning / max temperature: 50 °C	1 - up
Z106558	1.7 mm	Shuttle for SampleJet 1.7 mm tubes Non-spinning / max temperature: 50 °C	1 - up
Z105909	3.0 mm	Shuttle for SampleJet 3.0 mm tubes Spinning / max temperature: 50 °C	1 - up
Z105515	5.0 mm	Shuttle for SampleJet 5.0 mm tubes Spinning / max temperature: 50 °C	1 - up

Metabolomics is defined as the qualitative and quantitative analysis of metabolites. The study of these small molecules (<1500 Da) provides information on the physiological state of living organisms. Mass spectrometry (MS) and Nuclear Magnetic Resonance (NMR) are the two main techniques used for metabolomics. Whereas the MS technique has led to a higher number of publications in the field, NMR-based metabolomics allows the observation and accurate quantification of the most abundant compounds in biological samples without the need for complex sample preparation. In addition, NMR makes possible the identification of metabolites of equal molecular weight, as well as the characterization of unknown compounds. With the use of stable isotope enriched compounds, NMR can be used to study metabolic pathways and observe metabolite transformations.

The Bruker SampleJet is a high-throughput automatic system that can handle 5 racks of 96 samples (1 mm to 5 mm diameter) and up to 99 NMR tubes on the outside ring. The temperature control inside the unit and the continuous analysis of a large number of samples make the Bruker SampleJet a tool of choice for metabolomics applications.



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●資料のご請求は、大陽日酸までお気軽にご用命ください。

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