



## METHOD SUMMARY – QWI-FM0135



	<p>These ions are electrostatically accelerated over a short distance and arrive in the flight tube at a mass-dependent speed. Because different proteins/peptides have different masses, ions arrive at the detector at different times (time of flight). The mass spectrometer measures the time (in the microsecond range) between pulsed acceleration and the corresponding detector signal, and the speed is converted into an exact molecular mass.</p> <p>The highly abundant microbial ribosomal proteins result in a mass spectrum with a characteristic mass and intensity distribution pattern. For many microorganisms, this pattern is species-specific and can be used as a 'molecular fingerprint' to identify the sample.</p>
Reporting Unit	Not applicable
LOR/LOQ	Not applicable

Minimum amount of sample required for analysis	50 g	Turnaround time	1 working day
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