



MALDI-TOF Organism Identification

NEOGEN® is excited to now offer organism identification for customers using the Bruker MALDI-TOF Biotyper.

Positive Soleris® vials or pure cultures can be submitted for identification.

Using mass spectrometry, a fresh culture sample can be analyzed and identified in minutes by comparing its peptide and protein fingerprint to a database containing several thousand species. Customers will receive a report within five days of pure culture with the best match along with a ranked list of the top ten matching patterns for each sample submitted.

Most results are reported as genus and species.

Rank (Quality)	Top Matches for Sample	Score
1	<i>Listeria monocytogenes</i>	2.35

Some closely related species are only identifiable at the genus level.

Rank (Quality)	Top Matches for Sample	Score
1	<i>Salmonella sp</i>	2.18

All results are interpreted using the MALDI scoring system.

Score	Rating	Interpretation
2.00–3.00	Good	Accurate to Species
1.70–1.99	Fair	Accurate to Genus
1.00–1.69	Poor	No Match

The price for pure cultures is \$55.00 per sample and \$87.50 per sample for Soleris® vials.

How to Submit a Sample

1. Request a copy of the MALDI sample submission form by emailing MALDI@NEOGEN.com.
2. Download, complete, and print the sample submission form.
 - a. If sending multiple samples at once, record the sample ID on each vial.
3. Wrap the samples with parafilm to prevent leaking.
4. Ship the sample submission form with the samples to NEOGEN for analysis.