

Test Results Based on Sanger Sequencing

Identification of microorganisms -MicroID

Sample: **M5.**

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Report: **MC003/2015.**

Internal code: **MC 003/15.**

Date Received: **03/30/2015**

Report Date: **04/08/2015**

Result

The sequenced microorganism shows 95% identity with the fungus *Aspergillus fumigatus*.

Interpretation

The microorganism sequence obtained was compared to a DNA database. The result of this comparison demonstrated greater identity of the sample with the fungus *Aspergillus fumigatus*.

Methodology

Automatic sequencing by capillary electrophoresis on the ABI 3500 *Genetic Analyzer* (Applied Biosystems) and alignment of the nucleotide sequences produced with the reference sequences deposited in *GenBank*.

Considerations

Although the genomic region used for identification among the species is an international standard for this analysis¹, one should not rule out the identification of more than one species per sample due to the similarity between the DNAs of the species found.

References

1) *Fungal Barcoding Consortium* et al, 2011.