

Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry ([MALDI-TOF](#)) has been effectively used as a rapid method for microbial identification.

In a case report Brunetti et al. identified *A. baumannii* by [MALDI-TOF](#) technique directly from the CSF drawn from the [external ventricular drainage](#) of a patient with severe [confusional](#) state and signs of [meningism](#). Simultaneously the antibiotic susceptibility test was performed by automated method from the pellet of the broth-enriched sample. The MALDI-TOF technique allowed microbial identification in less than 30 minutes, and the susceptibility test result was available in eight hours, thus allowing a fast diagnosis ready for prompt and targeted antimicrobial therapy ¹⁾.

¹⁾

Brunetti G, Ceccarelli G, Giordano A, Navazio AS, Vittozzi P, Venditti M, Raponi G. Fast and reliable diagnosis of XDR *Acinetobacter baumannii* meningitis by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. *New Microbiol.* 2017 Nov 7;40(4). [Epub ahead of print] PubMed PMID: 29112767.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=acinetobacter_baumannii_ventriculitis_diagnosis

Last update: **2024/06/07 02:56**

