

**HIMEDIA**

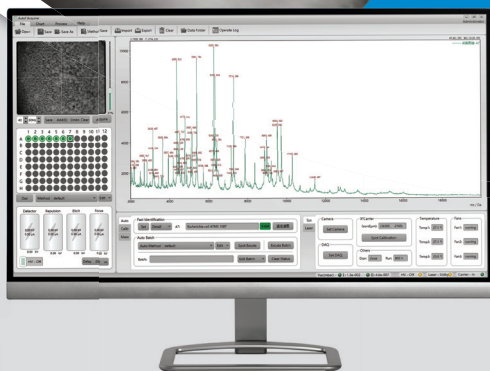
For Life is Precious

*Introducing*

# *Autof* MS1000 MALDI-TOF MS



*Robust,  
Time saving  
& flexible  
microbial ID  
system.*



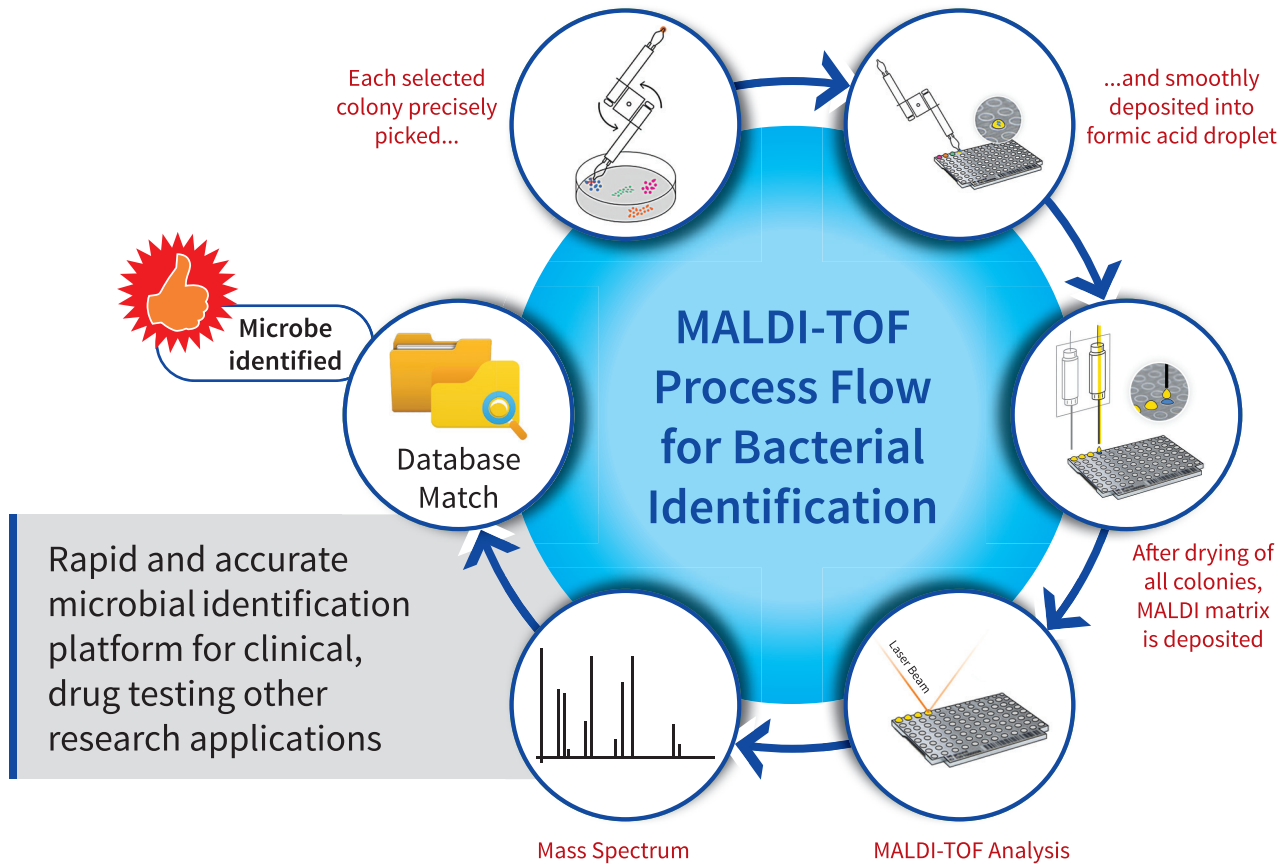
Automated mass spectrometry microbial identification system with comprehensive database

HiMediaLaboratories™  
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# Process Flow

## Autof MS1000 MALDI-TOF MS



# Comparative USPs

Parameter	Autof MS1000	Competitor Products
Ion Source	Cleaning free ion source system	Manual cleaning/ self cleaning ion source system
Throughput	300 tests/ hour	150-200 tests/hour
Initial vacuum up time	Less than 1 minute	Up to 10 to 15 minutes
Database	Free database updates for lifetime	Additional charges for database updates
Support	Free lifetime support - excludes spare parts	Servicing charges levied post warranty period

## System Features

Improved spatial resolution	Innovative optical design – Smaller laser beam
Improved slide position accuracy and stability	Real - time coordinated XY axis moving platform
Single sample processing within 0.1 second	Powerful turbo-molecular pump – Sampling without waiting
Cleaning free and reduced interference	Vacuum up to 10 <sup>-7</sup> mbar
Effective biological safety control	0.01µm high precision pump filter
Mass range	1 - 500 kDa
High throughput	96 tests/plate, 1000 samples/day
Footprint	400mm*705mm*1280mm, Benchtop Model

## Robust Database

The system has a complete package fully automated with the largest Microbial database, software and workstation for microbial identification including yeast and molds/filamentous Fungi, bacteria as *Nocardia*, *Actinomyces*/filamentous bacteria, all other Gram Positive, Gram negative aerobic and anaerobic bacteria, *Burkholderia pseudomallei*, other *Burkholderia* species, *Francisella* and *Mycobacterium* spp. (both MTB complex and NTM)

Number of Microbial Species	Number of Microbial Strains	Total Genus	Total Filamentous Fungi & Yeast Species
5053+	17000+	1003+	730+



# Autof MS1000

## Sample Pretreatment Reagents & Accessories



Product Code	Product Name
MSA01	Sample Pretreatment Reagent
MSA02	Calibrator
MSA03	CHCA Matrix for use with Autof MS

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\* Autof MS1000 is manufactured by Autobio Diagnostics Co. Ltd. for HiMedia Laboratories Pvt. Ltd.

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