MALDI Biotyper®

MBT HT Library Creator

Empowering customer-tailored libraries & data analysis

Innovation with Integrity

Create, customize, and control your microbial spectral libraries

- Generate your own reference spectra (MSP) from high-quality spectra in a user-friendly workflow, in the MBT Compass HT environment
- Custom library management - Build and edit your tailor-made MSP libraries
- Export your lab-specific MSPs and libraries - Collaborate and share your newly created MSPs with other labs
- Powerful matching engine - Match spectra against custom MSP sets or libraries
- Advanced spectrum exploration - Visualize and compare up to 100 spectra in Gel View
- Reuse existing data and MSPs based on previous spectra generated by the MBT Explorer

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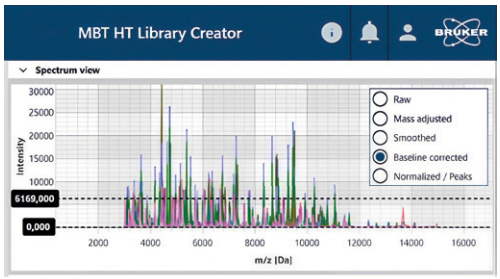
Uplift your capability of custom microbial identification

The MBT HT Library Creator is Bruker's dedicated software solution for laboratories aiming to build and manage their own specialized MALDI-TOF MS-based microbial reference libraries. Users can easily create Main Spectra (MSPs) and compile them into fully functional libraries compatible with the MBT Compass HT software environment. This gives the opportunity to expand the coverage of the comprehensive high-quality Bruker reference libraries, according to the respective needs. Additionally, the export functionality empowers collaboration by sharing your newly created MSPs with other labs within your company or institution, or peer colleagues worldwide.

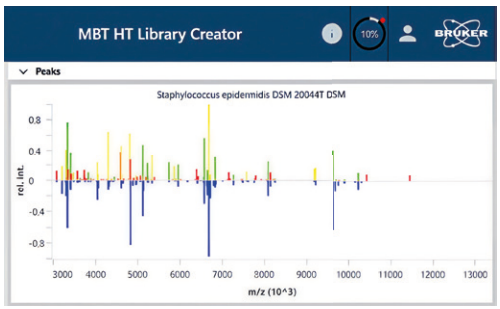


MBT HT Library Creator - Exploration window

Enable next-level analysis and data quality

With convenient exploration tools, users can inspect raw and processed spectra, compare multiple pre-processing stages, and visualize up to 100 spectra simultaneously using the intuitive Gel View. This enables high-resolution analysis and quality control of spectral data before MSP creation.

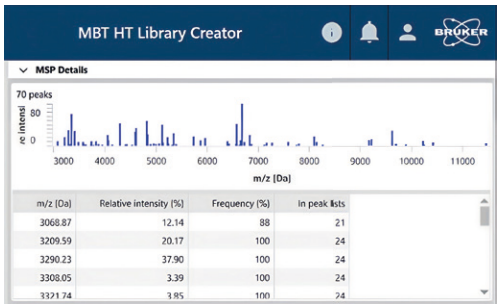
The software module supports both single and batch MSP creation, allowing users to generate reference entries from well-characterized microbial samples. Each MSP can be customized with metadata and tested for accuracy using built-in matching tools. The matching engine provides detailed peak-based comparisons and ranks results using Bruker's proven log(score) algorithm, ensuring high-confidence identifications.



MBT HT Library Creator - Matching window

Accelerate microbial science and industrial scenarios

By integrating seamlessly into the MALDI Biotyper environment, the MBT HT Library Creator enhances the microbial identification capabilities. Whether you're working with rare species or developing specialized applications, this tool gives you the control and clarity needed to push the boundaries of microbial research and industrial applications.



MBT HT Library Creator - Creation window

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