



- **ePosters @Eccmid 2021**

### **MALDI Biotyper®**

#### **New Lean Preparation Method for Identification of Mycobacteria by MALDI Biotyper**

Markus Timke, Arthur B. Pranaada, Markus Kostrzewa

#### **Direct identification of microorganisms from positive blood cultures: comparison of three different short culturing methods to the Rapid Sepsityper workflow**

Miriam Cordovana, Arthur Boniface Pranaada, Markus Meyer, Mohammad Abdalla, Hilke Hubert, Simone Ambretti, Jörg Steinmann

#### **Evaluation of the MBT Sepsityper® kit for rapid Mycobacteria detection from positive blood culture bottles**

Anna Camaggi, Monia Mantovani, Stelvio Tonello, Alessio Mercandino, Rosalba Minisini, Elisa Gobbato, Maria Grazia Maimone, Stefano Andreoni

**04981**


#### **MALDI-based identification of filamentous fungi: The strengths of the direct transfer method from plate**

Anna Camaggi, Katharina Vossgroene, Markus Kostrzewa, Miriam Cordovana, Stefano Andreoni

**04878**

#### **Fast and simple MALDI-TOF MS based method for filamentous fungi identification in clinical microbiology laboratory**

Anna Camaggi, Giulia Faolotto, Maria Simona Caroppo, Anna Merlo, Elisa Gobbato, Stefano Andreoni



**Development and evaluation of a benchtop tool to standardize and speed up workflows for convenient MALDI-TOF MS sample preparation in routine laboratories**

Markus Peer, Katrin Sparbier, Thomas Wenzel, Ilka D. Nix, Oliver Drews, Boris Oberheitmann, Evgeny A. Idelevich, Karsten Becker, Markus Kostrzewa

**Same-day identification and genotypic antibiotic susceptibility testing of *Mycobacterium avium* from positive blood culture bottle**

Anna Camaggi, Monia Mantovani, Maria Simona Caroppo, Anna Merlo, Miriam Riggi, Cinzia Rossi, Vincenzo Mondino, Stefano Andreoni

**03721**

**Improved rapid lipid extraction method for colistin resistance testing based on detection of modifications of the Lipid A moiety of lipopolysaccharides using matrix-assisted laser desorption/ionization-time of flight (MALDI-TOF)**

Thomas Maier, Christian Ritter-Pankau, Gerald Larrouy-Maumus, Miriam Cordovana, Boris Oberheitmann, Markus Kostrzewa

**Detection of colistin resistance in *Pseudomonas aeruginosa* using MALDIxin test on the routine MALDI Biotyper sirius mass spectrometer**

Katy Jeannot, Katheryn Hagart, Laurent Dortet, Markus Kostrzewa, Alain Filloux, Patrick Plesiat, Gerald Larrouy-Maumus

**Evaluation of a rapid MALDI-TOF MS assay for antimicrobial susceptibility testing**

Evgeny A. Idelevich, Katrin Darm, Oliver Drews, Ilka D. Nix, Katrin Sparbier, Markus Kostrzewa, Karsten Becker

**IR Biotyper®**

**Performance of Fourier-transform infrared spectroscopy typing: a monocentric study using a prospective two-year collection of 284 clinical extended-spectrum  $\beta$ -lactamase *E. coli*, *K. pneumoniae* and *E. cloacae* complex isolates from three clinical wards with high risk of outbreaks**


François Gravey, Miriam Cordovana, Michel Auzou, Marguerite Fines-Guyon, Damien Du Cheyron, Frédéric Ethuin, Laura Fazilleau, Camille Jeanne-Leroy, Suzanne Hecht, Leon Gebauer, Markus Kostrzewa, Simon Le Hello, Olivier Join-Lambert

**Validation of FTIR spectroscopy for high-throughput serotyping of *S. pneumoniae***

Ioannis Passaris, Norman Mauder, Markus Kostrzewa, Hans-Christian Slotved, Nina van Sorge, Stefanie Desmet, Pieter-Jan Ceyskens

**Discrimination of *Salmonella enterica* of the (para-)typhoid fever group by Fourier-Transform Infrared (FTIR) spectroscopy**

Miriam Cordovana, Norman Mauder, Markus Kostrzewa, Andreas Wille, Sandra Rojak, Ralf Matthias Hagen, Simone Ambretti, Stefano Pongolini, Laura Soliani, Ulrik S. Justesen, Hanne M. Holt, Olivier Join-Lambert, Simon Le Hello, Michel Auzou, Alida C. Veloo, Jürgen May, Hagen Frickmann and Denise Dekker



**Serogroup Classification of *Legionella pneumophila* Using Transmission Infrared Spectroscopy and Machine Learning**

Milo Halabi, Jörg Rau, Norman Mauder

**Typing of *Listeria monocytogenes* by Fourier Transform Infrared (FTIR) Spectroscopy**

Marian Awad, Miriam Cordovana, Susanne Hecht, Norman Mauder, Boris Oberheitmann, Markus Kostrzewa

**AST - MICRONAUT**

**02459**

**Evaluation of the MICRONAUT-S system for *Legionella pneumophila* antimicrobial susceptibility testing**

Lise Ursat, Amélie Paccaud, Anaëlle Bolon, Joséphine Charavit, Laetitia Beraud, Camille Allam, Christophe Ginerva, Sophie Jarraud, Ghislaine Descours

**1-hour mini oral flash S104 / 1885 / Monday, 12th July 2021 / 9:30 – 10:30h CEST**

**German multicenter study on standardized MIC determination of ceftazidime-avibactam against extensively drug-resistant clinical *Pseudomonas aeruginosa* isolates from 2017-2019**

R.Stauf, E.Molitor, G.Hischebeth, M.Simon, J. Jantsch, J.Rödel, SL. Becker, A.Halfmann, TA.Wichelhaus, M.Hogardt, A.Serr, C.Hess, AF.Wendel, E.Siegel, H.Rohde, S.Zimmermann, J.Steinmann

**MDx – FluoroType®**

**02053**

**FluoroType® SARS-CoV2 *varID Q* – quantitative identification of SARS-CoV-2 and detection of the most relevant mutations from swabs**

T. Bufe, M. Raabe, M. Eckart, A. Merz, V. Allerheiligen

**02969**

**Analytical performance data of FluoroType® Mycobacteria *direct* – an assay for identification of clinically relevant mycobacterial species directly from specimen**

Katharina Küspert, Marie-Christine Rothmund, Ralf Spannaus, Vera Allerheiligen

**03663**

**Evaluation of the new FluoroType® STI for detection of Sexual Transmitted Infections pathogens**

Zulema Perez-Martinez, Alvaro Leal-Negredo, Laura Villa-Bajo, Rainer Campo-Ramos, Francisco Carreño-Alonso, Jose Antonio Boga-Riveiro, Fernando Vazquez-Valdes

**04500**

**Clinical validation of the FluoroType Mycobacteria assay for the rapid detection and identification of tubercular and non-tubercular mycobacteria**

Claudia Niccolai, Anna Maria Bartolesi, Francesca Corti, Fiorella Marcelli, Angela Andreini, Roberta Mannino, Alberto Antonelli, Enrico Tortoli, Gian Maria Rossolini

**04075**

**Validation of FluoroType® Enteric multiplex assay**

Julie Green, Tara Donnelly, Emma Stirling



## MDx – Fungiplex®

**04088**

**An evaluation to assess the clinical performance of the Fungiplex Pneumocystis IVD Real-Time PCR Kit**

Tara Donnelly, Emma Stirling, Lucy Wilkie, Kate Dempsey, Julie Green