

# IMMY MycoDDR Trident

## Literaturliste:

- 1.) Introduction of quality management in a National Reference Laboratory in Germany  
Susanne Homolka, Julia Zallet, Heidi Albert, Anne-Kathrin Witt, Katharina Kranzer.

PLoS ONE 14(10): e0222925, <https://doi.org/10.1371/journal.pone.0222925>

“Finally in March 2017 the decision was taken to implement a CE-Marked commercially available method based on N-Acetyl-L-Cysteine-Sodium Hydroxide (NALC-NaOH, MycoDDR™, IMMY, Noeman, USA).”  
“Contamination rates decreased from 23.6-27.6% in April-July 2016 to 10.7-17.4% in the same period in 2017 and fell under the 10% mark in November 2017-March 2018”

- 2.) Evaluation of OMNIgeneWSPUTUM reagent for mycobacterial culture

J. Zallet, I. D. Oлару, A-K. Witt, P. Vock, B. Kalsdorf, S. Andres, D. Hillemann, K. Kranzer.

INT J TUBERC LUNG DIS 22(8):945–949 Q 2018 The Union <http://dx.doi.org/10.5588/ijtld.17.0020>

“We found that samples decontaminated using OM-S reagent had lower mycobacterial recovery than those processed using the NALC-NaOH-based method. Contamination rates on solid media were higher in samples treated with OM-S reagent compared with NALC-NaOH.”

- 3.) Clinical evaluation of IMMY MycoDDR™ *Digestion/Decontamination Reagents for the Recovery of Mycobacterium*

W. Candelaria, K. Maneclang, C. Magee

“In conclusion, this study demonstrates that the MycoDDR™ (3.0% NaOH) system is superior to the Alpha-Tec NAC-PAC™ Red (3.0% NaOH) system for the digestion and decontamination of patient samples for quicker positive detection of mycobacterium at a substantial cost savings.”

## Poster Liste:

- 1.) Comparison of four decontamination methods for cultivation of mycobacteria from sputum samples

Julia Zallet, Sönke Andres, Anne-Kathrin Witt, Petra Vock, Barbara Kalsdorf, Christoph Lange, Ulf-Eike Werner, Katharina Kranzer

ECCMID-2017,

“Performance of Myco DDR™ and NAC-PAC™ was comparable to the NALC-NaOH method with MycoDDR™ performing superior. OMNIgene® SPUTUM reagent showed the highest contamination rates. No growth of mycobacteria was observed in samples decontaminated with OMNIgene® SPUTUM reagent in the liquid system, which might explain the falsely low contamination rates.”

- 2.) Combining Mycobacterium Testing Methods to Deliver Enhanced Laboratory Diagnostics and Clinical Patient Outcomes: A Proposed Algorithm Using MycoDDR™ & Xpert® MTB/RIF  
Candelaria WJ, Namdarian SV, Magee CM, Maneclang KJ.

“The MycoDDR™ specimen processing system was validated for complete compatibility with the Xpert® MTB/RIF and provided positive confirmed diagnosis in a new proposed algorithm in less time than the traditional algorithm utilizing offsite NAAT (1-3 days vs. 16-18 days respectively).”

- 3.) **Clinical evaluation of IMMY MycoDDR™**

W. Candelaria, K. Maneclang, C. Magee - ASM 2014

“The MycoDDR™ sample processing system delivers true positive results in less or equal time than the Alpha-Tec NAC-PAC™ Red sample processing system.”

“The MycoDDR™ sample processing system uses approximately 50% less neutralization buffer, on average, to achieve the optimal pH for survival of mycobacterium and death of normal flora, than the NAC-PAC™ Red system.”