

New Diagnostics Working Group

New Diagnostics Working Group E-News
August 2013

New scientific articles

[Rapid molecular TB diagnosis: evidence, policy making and global implementation of Xpert MTB/RIF.](#)

Weyer K, Mirzayev F, Migliori GB, Van Gemert W, D'Ambrosio L, Zignol M, Floyd K, Centis R, Cirillo DM, Tortoli E, Gilpin C, de Dieu Iragena J, Falzon D, Raviglione M. ERJ. 2013 Jul

[Are peripheral microscopy centres ready for next generation molecular tuberculosis diagnostics?](#)

Denkinger CM, Nicolau I, Ramsay A, Chedore P and Pai M. ERJ 2013 Jul

[Evaluation of the BD BACTEC™ MGIT™ 320 for Detection of Mycobacteria and Drug Susceptibility testing of *Mycobacterium tuberculosis*.](#)

Duque A, Lin SY, Desmond E, Rienthong S, Rienthong D, Boonin C. J Clin Microbiol. 2013 Jul.

[Comparison of the Xpert MTB/RIF and COBAS TaqMan MTB assays for the detection of *Mycobacterium tuberculosis* in respiratory specimens.](#)

Park KS, Kim JY, Lee JW, Hwang YY, Jeon K, Koh WJ, Ki CS, Lee NY. J Clin Microbiol. 2013 Jul

[Whole-genome sequencing for rapid susceptibility testing of *M. tuberculosis*](#)

Köser CU, Bryant JM, Becq J, Török ME, Ellington MJ, Marti-Renom MA, Carmichael AJ, Parkhill J, Smith GP, Peacock SJ. N Engl J Med. 2013 Jul

[Inconsistent Results with the Xpert-MTB/Rif Assay in Detection of *Mycobacterium tuberculosis* with an rpoB Mutation Associated with Low Level of Rifampin Resistance: Diagnostic Implications](#)

Somoskovi A, Deggim V, Ciardo D, Bloemberg GV. J Clin Microbiol. 2013 Jul

[Simple, direct drug susceptibility testing technique for diagnosis of drug-resistant tuberculosis in resource-poor settings.](#)

Kim CK, Joo YT, Lee EP, Park YK, Kim HJ, Kim SJ. Int J Tuberc Lung Dis. 2013 Jul

[Challenges in Evaluating the Cost-effectiveness of New Diagnostic Tests for HIV-Associated Tuberculosis.](#)

Andrews JR, Lawn SD, Dowdy DW, Walensky RP. Clin Infect Dis. 2013 Jul

[Evaluation of Xpert MTB/RIF for Detection of Tuberculosis from Blood Samples of HIV-Infected Adults Confirms MTB-Bacteremia as an Indicator of Poor Prognosis.](#)

Feasey NA, Banada PP, Howson W, Sloan DJ, Mdolo A, Boehme C, Chipungu GA, Allain TJ, Heyderman RS, Corbett EL, Alland D. J Clin Microbiol. 2013 Jul

[Rapid method for *Mycobacterium tuberculosis* identification using electrospray ionization tandem mass spectrometry analysis of mycolic acids.](#)

Szewczyk R, Kowalski K, Janiszewska-Drobinska B, Druszczyńska M. Diagn Microbiol Infect Dis. 2013 Jul

[Use of Colorimetric Culture Methods for Detection of *Mycobacterium tuberculosis* Complex Isolates from Sputum Samples in Resource-Limited Settings.](#)

Boum Y 2nd, Orikiriza P, Rojas-Ponce G, Riera-Montes M, Atwine D, Nansumba M, Bazira J, Tuyakira E, De Beaudrap P, Bonnet M, Page AL. J Clin Microbiol. 2013 Jul

[Integrating the Xpert MTB/RIF Assay into a Diagnostic Workflow for Rapid Detection of *Mycobacterium tuberculosis* in a Low-Prevalence Area.](#)

Deggim V, Somoskovi A, Voit A, Böttger EC, Bloemberg GV. J Clin Microbiol. 2013 Jul

[Rapid diagnosis of pulmonary tuberculosis in African children in a primary care setting by use of Xpert MTB/RIF on respiratory specimens: a prospective study.](#)

Prof Heather J Zar PhD, Lesley Workman MPH, Washiefa Isaacs MSc, Prof Keertan Dheda PhD, Widaad Zemanay PhD, Prof Mark P Nicol PhD. Lancet GH. 2013 Jul

Other publications

[Domestic and donor financing for tuberculosis care and control in low-income and middle-income countries: an analysis of trends, 2002-11, and requirements to meet 2015 targets.](#)

Katherine Floyd PhD, Christopher Fitzpatrick MSc, Andrea Pantoja MSc, Mario Raviglione MD. Lancet GH. 2013 Jul

[Universal access to care for multidrug-resistant tuberculosis: an analysis of surveillance data.](#)

Dennis Falzon, Ernesto Jaramillo, Fraser Wares, Matteo Zignol, Katherine Floyd, Mario C Raviglione. Lancet ID. 2013 Jul

[Conditionally fluorescent molecular probes for detecting single base changes in double-stranded DNA.](#)

Sherry Xi Chen, David Yu Zhang, Georg Seelig. Nat Chem. 2013 Jul

[Multiple antigen-presenting system \(MAPS\) to induce comprehensive B- and T-cell immunity.](#)

Fan Zhang, Ying-Jie Lu, and Richard Malley. PNAS. 2013 Jul

News

[FDA permits marketing of first U.S. test labeled for simultaneous detection of tuberculosis bacteria and resistance to the antibiotic rifampin.](#)

FDA NEWS RELEASE

[GeneXpert MTBRif, three years after endorsement.](#)

TBInnovation- Riccardo Alagna

[Otsuka Receives Opinion from CHMP on Delamanid.](#)

Wall street Journal

New Diagnostics Working Group
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