

**Diagnostic moléculaire : avantages des tests « home-made »**

Auteurs : Gilbert Greub & Katia Jatón

**Références:**

1. Gadsby NJ, McHugh MP, Russell CD, Mark H, Conway Morris A, Laurenson IF, Hill AT, Templeton KE. Development of two real-time multiplex PCR assays for the detection and quantification of eight key bacterial pathogens in lower respiratory tract infections. *Clin Microbiol Infect.* 2015 Aug;21(8):788.e1-13.
2. Greub G, Sahli R, Brouillet R, Jatón K. Ten years of R&D and full automation in molecular diagnosis. *Future Microbiol.* 2016;11(3):403-25.
3. Improving the molecular diagnosis of *Chlamydia psittaci* and *Chlamydia abortus* infection with a species-specific duplex real-time PCR. Opota O, Jatón K, Branley J, Vanrompay D, Erard V, Borel N, Longbottom D, Greub G. *J Med Microbiol.* 2015 Oct;64(10):1174-85.
4. Mellmann A, Harmsen D, Cummings CA, Zentz EB, Leopold SR, Rico A, Prior K, Szczepanowski R, Ji Y, Zhang W, McLaughlin SF, Henkhaus JK, Leopold B, Bielaszewska M, Prager R, Brzoska PM, Moore RL, Guenther S, Rothberg JM, Karch H. Prospective genomic characterization of the German enterohemorrhagic *Escherichia coli* O104:H4 outbreak by rapid next generation sequencing technology. *PLoS One.* 2011;6(7):e22751.
5. Bellini C, Magouras I, Chapuis-Taillard C, Clerc O, Masserey E, Peduto G, Péter O, Schaerrer S, Schuepbach G, Greub G. Q fever outbreak in the terraced vineyards of Lavaux, Switzerland. *New Microbes New Infect.* 2014 Jul;2(4):93-9.
6. Jatón K, Peter O, Raoult D, Tissot JD, Greub G. Development of a high throughput PCR to detect *Coxiella burnetii* and its application in a diagnostic laboratory over a 7-year period. *New Microbes New Infect.* 2013 Oct;1(1):6-12.

7. Baud D, Thomas V, Arafa A, Regan L, Greub G. *Waddlia chondrophila*, a potential agent of human fetal death. *Emerg Infect Dis*. 2007 Aug;13(8):1239-43.
8. Baud D, Goy G, Osterheld MC, Borel N, Vial Y, Pospischil A, Greub G. *Waddlia chondrophila*: from bovine abortion to human miscarriage. *Clin Infect Dis*. 2011 Jun 15;52(12):1469-71. v
9. Goy G, Croxatto A, Posfay-Barbe KM, Gervaix A, Greub G. Development of a real-time PCR for the specific detection of *Waddlia chondrophila* in clinical samples. *Eur J Clin Microbiol Infect Dis*. 2009 Dec;28(12):1483-6.
10. Jatton K, Bille J, Greub G. A novel real-time PCR to detect *Chlamydia trachomatis* in first-void urine or genital swabs. *J Med Microbiol*. 2006 Dec;55(Pt 12):1667-74
11. Jatton K, Ninet B, Bille J, Greub G. False-negative PCR result due to gene polymorphism: the example of *Neisseria meningitidis*. *Journal of Clinical Microbiology*. 2010 Dec;48(12):4590-1
12. Diene SM, Bertelli C, Pillonel T, Jacquier N, Croxatto A, Jatton K, Greub G. Comparative genomics of *Neisseria meningitidis* strains: new targets for molecular diagnostics. *Clin Microbiol Infect*. 2016 Jun;22(6):568.e1-7.
13. Marions L, Rotzen-Ostlund M, Grillner L, Edgardh K, Tiveljung-Lindell A, Wikstrom A, Lidbrink P. High occurrence of a new variant of *Chlamydia trachomatis* escaping diagnostic tests among STI clinic patients in Stockholm, Sweden. *Sex Transm Dis*. 2008 Jan;35(1):61-4.
14. Møller JK, Pedersen LN, Persson K. Comparison of Gen-probe transcription-mediated amplification, Abbott PCR, and Roche PCR assays for detection of wild-type and mutant plasmid strains of *Chlamydia trachomatis* in Sweden. *J Clin Microbiol*. 2008 Dec;46(12):3892-5.
15. High proportion of wrongly identified methicillin-resistant *Staphylococcus aureus* carriers by use of a rapid commercial PCR assay due to presence of staphylococcal cassette chromosome element lacking the *mecA* gene. Blanc DS, Basset P, Nahimana-Tessema I, Jatton K, Greub G, Zanetti G. *J Clin Microbiol*. 2011 Feb;49(2):722-4.