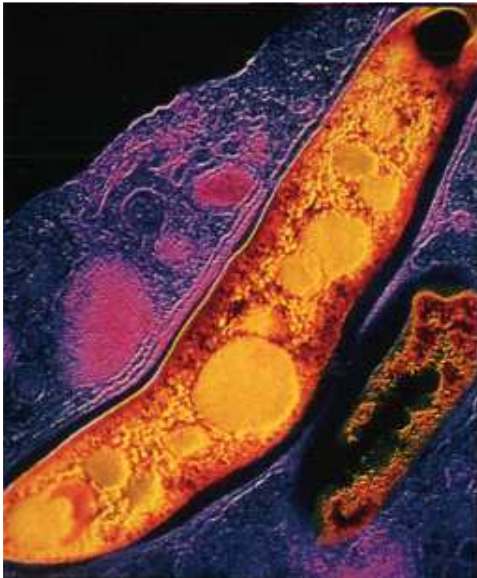


**Coming  
soon !**

## hyplex<sup>®</sup> TBC

Multiplex - PCR ELISA for the detection of mycobacteria, particularly *Mycobacterium tuberculosis*



### hyplex<sup>®</sup> TBC

- **Unambiguous detection of mycobacteria, particularly *Mycobacterium tuberculosis***
- Can be performed directly from **tracheal secretion, sputum, BAL** or from pure bacterial cells
- Simple test procedure; can be automated
- Individual test assembly
- Reliable, safe, rapid
- **CE**

Tuberculosis pathogens are aerobic; immobile, slowly growing rod-shaped bacteria from the family Mycobacteriaceae, genus *Mycobacterium* (M.). Because of their staining properties in microscopy, they are described as "acid fast". The species relevant to human pathology are subsumed under the term **Mycobacterium tuberculosis complex**, including *M. tuberculosis*, *M. bovis*, *M. africanum*, as well as the species *M. microti* and *M. canetti*. The most frequent pathogen for human infections is *M. tuberculosis*.

Tuberculosis occurs throughout the world. According to estimates of the World Health Organisation (WHO), 8.4 million people contracted tuberculosis in 2000. 80 % of all new cases occur in only 23 countries. It is feared that the number of new tuberculosis cases will increase by an average of 3 % per year in the coming years. New cases are only decreasing in industrial countries - by 2-3 % per year. The position of developing countries is particularly important, as about 95 % of all new cases occur here. About 2 million people die each year of tuberculosis. This figure is raised by the fatal clinical course in patients who are also infected with HIV.

Thus tuberculosis is the most frequent fatal disease in adolescents and adults and the leading cause of death in people infected with HIV.

**hyplex® TBC** can be used for the direct and unambiguous detection of mycobacteria, particularly *Mycobacterium tuberculosis* from **tracheal secretion, sputum, BAL** or from pure bacterial cells. This can be achieved within **2 - 4 hours** (depending on equipment).

Product	Description	Tests / kit	Cat.No.
hyplex® TBC PCR-module	Reagents for multiplex-PCR	1 kit 96 tests	3875
hyplex® TBC hybridisation module <i>M. tuberculosis</i> - complex	Specific oligonucleotide probe for reverse hybridisation	1 kit 96 tests	3876
hyplex® TBC hybridisation module genus <i>Mycobacteria</i>	Specific oligonucleotide probe for reverse hybridisation	1 kit 96 tests	3877
Lysis buffer	Buffer for DNA preparation	60 ml	3950
hyplex® Prep module	To isolate genomic DNA from clinical material	50 preparations	3951
Tth - DNA Polymerase	DNA polymerase for DNA amplification incl. buffer	250 U	3954

For further information see [www.hyplex.info](http://www.hyplex.info)