



#### **Media Contact**

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## **MP Biomedicals Introduces FASTSURE® TB DNA Rapid Test; one of the Fastest, Most Convenient and Accurate Nucleic Acid Rapid Test**

Tuberculosis (TB) is a highly contagious and a high social burden disease. Left undiagnosed and untreated, each patient with TB disease may infect on average between 10 and 15 other people every year. According to WHO, someone in the world is newly infected with TB bacilli every second; overall, one-third of the world's population is currently infected with the TB bacillus, 5-10% of people who are infected with TB bacilli become sick or infectious at some time during their life. It is estimated that 1.6 million deaths resulted from TB in 2005. The number of new cases arising each year is increasing globally and more specifically in the regions of Africa, the Eastern Mediterranean and Asia. Situations such HIV- TB, Multi-drug resistant TB makes the challenge more complex.

Tuberculosis is diagnosed definitively by identifying the causative organism *Mycobacterium tuberculosis* in a clinical sample such as sputum or blood. When this is not possible, other diagnosis methods may be made using imaging (X-rays or scans) and/or a tuberculin skin test. There are various challenges in diagnosing TB. Culture is extremely slow, difficult and bio-hazardous, interpretations of the X-rays is not conclusive while the interpretation of the tuberculin skin test depends upon the person's risk factors for infection and progression to TB disease, such as exposure to other cases of TB or immuno-suppression. Relatively newer technologies such as PCR are promising but they can have their own challenges in terms of higher capital expenditure, need of specialized quality manpower. Newer technologies such as PCR are not yet easily available in underdeveloped and developing countries.

### **FASTSURE® TB DNA Rapid Test**

MP Biomedicals LLC launched its FASTSURE® DNA Rapid Test range with the introduction of FASTSURE® TB DNA Rapid Test. FASTSURE® DNA Rapid Test is an accurate, simple, rapid and cross-contamination proof nucleic acid detection kit. It is intended for the qualitative detection of *Mycobacterium tuberculosis* (TB) DNA in human samples, and as a clinical diagnostic tool for TB infection.

The FASTSURE® TB DNA Rapid Test includes sample preparation, nucleic acid isothermal amplification & hybridization, and finally detection using a patented cross-contamination proof device. The device in the various studies indicates superior sensitivity of the FASTSURE® TB DNA Rapid Test compared to solid media culture and smear microscopy. Patented FASTSURE® technology involves an innovative, simple to use device that fits easily into human hand.

The FASTSURE® TB DNA Rapid Test is

- FAST with complete amplification and hybridization and detection within 2 hours
- ACCURATE with nested amplification using highly specific primers and probes
- SENSITIVE of detecting even up to 10 bacteria
- TIME-SAVING with the results being viewable in only 10 minutes and no electrophoresis required
- SPECIFIC and cross-contamination proof
- UNIQUE with its patented technology and device design
- RELIABLE as it has proven credibility with extensive evaluations
- EASY to use which does not require instrument such as PCR for amplification. Hybridization takes place at one temperature.

MP Biomedicals is foraying in the Nucleic Acid rapid detection segment using the unique and innovative FASTSURE® platform. MP Biomedicals plans to extend the FASTSURE® DNA Rapid Test range for Chlamydia *trachomatis*, Hepatitis C, Human Papilloma virus etc. The market offers exciting growth opportunities due to its obvious advantage over the existing diagnosis methods from being fastest, most convenient and accurate instrument-free diagnostic technology.

## **Product/ Sales enquiries:**

Product and sales enquiries can be made at  
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gilda.sanchez@mpbio.com (Latin America)  
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To find out more about all MP Diagnostic products, plan to visit booth # 4253 at AACC Clinical Lab Expo to be held July 19-23, 2009 at McCormick Place in Chicago or visit the company's website [www.mpbio.com](http://www.mpbio.com).

## **About MP Biomedicals LLC**

MP Biomedicals is a worldwide corporation, with headquarters in Santa Ana, Calif., and regional offices in Europe, Asia and Australia. The company manufactures and sells more than 55,000 products. One of the only companies in the industry to offer a comprehensive line of life science, fine chemical and diagnostic products, the organization maintains a vast network of global distributors with ISO 13485-certified diagnostic products facilities in Solon, Ohio, Burlingame, Calif. and a distribution center in Strasbourg, France. MP Biomedicals Asia Pacific Pte Ltd is the Asia Pacific Headquarters located in Singapore