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Company Name: Eiken Chemical Co., Ltd.
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Securities code: 4549 (TSE 1st Section)

Release of the “Loopamp[®] Tuberculosis Complex Detection Reagent Kit”, a pharmaceutical for in vitro diagnosis, as well as the “Loopamp[®] PURE DNA Extraction Kit”, “Loopamp[®] LF-160 Homeothermal Equipment with Fluorometer” and “PureLAMP[™] Heater”

Tokyo, Japan - On June 1st, 2011, Eiken Chemical Co., Ltd. (Head office in Taito-ku, Tokyo) released the “Loopamp[®] Tuberculosis Complex Detection Reagent Kit” for which manufacturing and sales approval was acquired on April 18th. Also released were the “Loopamp[®] PURE DNA Extraction Kit”, “Loopamp[®] LF-160 Homeothermal Equipment with Fluorometer” and “PureLAMP[™] Heater”, all of which are necessary for performing examinations with the kit.

Japan is a country with intermediate spreading of tuberculosis. In 2008, 24,760 tuberculosis patients were newly registered and 2,216 people (2009 Tuberculosis Statistics) died of the disease. The battle with this disease has become more complicated due to the increased age of people contracting the disease, epidemics among younger generations, increased rate of contraction in major urban areas and danger of superinfection with HIV.

By using the Loopamp[®] PURE DNA Extraction Kit, the Loopamp[®] Tuberculosis Complex Detection Reagent Kit is capable of simple and quick direct detection of tuberculosis complex from untreated sputum samples, without performing NALC-NaOH processing.

The examination time for this reagent kit is approximately 10 minutes for extraction of nucleic acid and 40 minutes (67.0°C) for amplification reaction. The measurement result can be determined using real-time turbidity measuring equipment. It is also possible to perform visual determination by using ultraviolet irradiation equipment such as the Loopamp[®] LF-160 Homeothermal Equipment with Fluorometer. Thanks to simple operation from extraction to determination, it is possible to report results within 1 hour. As a result, the kit contributes to the quick discover and treat patients, and to the prevention of spreading infection.

Tuberculosis is the most prevalent infectious disease in the world. Approximately one-third of the world's total population is infected with the diseases. Every year, the disease is newly contracted by 9.4 million people and 1.8 million people die. Our company has developed this kit as a method of simple and quick genetic diagnosis which can be used in developing countries. We hope to contribute to the elimination of tuberculosis both in Japan and throughout the world.

Contact details

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