

EurobioPlex LEPTOSPIRA

**Leptospirosis, the most widespread zoonosis in the world
and too often overlooked**



- **COMPLETE:**
Internal, positive, negative and cell controls
- **QUALITATIVE OR QUANTITATIVE**
- **EFFECTIVE:**
Sensitivity > 99 %¹
Specificity > 99 %¹

1. For more information, please refer to the paragraph «Performance analysis» of the technical sheet



CLINICAL CONTEXT

Leptospire are bacteria of the order spirochetes associated with fresh surface waters.

Leptospirosis or rat disease is a zoonotic disease in tropical and humid areas. Human contamination occurs after a bite or ingestion of contaminated food (often due to urine).

Leptospirosis can take different forms and is difficult to diagnose. Untreated, it can lead to violent or even lethal and serious kidney diseases.

DIAGNOSIS

According to the WHO, the diagnosis is based on the isolation of the bacteria, on the detection of its nucleic acids, or on a positive serology in an evocative clinical and epidemiological context. An early detection of the disease should be done by qPCR within 8 days of detection of symptoms.

First-line qPCR is now the preferred technique, allowing early diagnosis of the disease, before the appearance of antibodies. Nevertheless, a negative real-time PCR must be followed by a serological investigation. The micro-agglutination test is the reference technique for the confirmation of leptospirosis.

EUROBIOPLEX CHARACTERISTICS

Test principle	Detection of <i>Leptospira</i> genome (<i>Leptospira spp.</i>)
Technology	Real Time PCR. 5 'Nuclease Technology
Performances	Specificity: >99% ¹ Sensibility: >99% ¹
Analytical Sensitivity	10 copies of DNA/μl ¹
Sample Type	DNA extract (blood, serum ...)
Included controls	Positive, negative, internal and cell controls
Packaging	48 or 96 tests
Time to result	1h30 ²

Reference	Description	Packaging
EBX-005	EurobioPlex Leptospira Real Time PCR	96 tests
EBX-005-48	EurobioPlex Leptospira Real Time PCR	48 tests

2. For more information, please refer to the paragraph «Procedure» of the technical sheet