

DIA-CHECK Q FEVER ELISA TEST



Q Fever, also known as Coxiellosis, is a globally distributed zoonotic disease caused by *Coxiella burnetii* that affects humans as well as animals, particularly cattle, sheep, and goats. In ruminants, it is commonly associated with late-term abortion, premature birth, and the delivery of weak or stillborn offspring, and may also cause metritis and infertility in cattle. Subclinically infected animals can still excrete the bacterium, and its ability to persist in the environment facilitates broad transmission.

Q Fever poses a significant risk to the global livestock industry and represents a serious threat to human health, highlighting the need for reliable diagnostic testing.

Routine ELISA screening of animals is recommended, as early detection helps reduce reproductive losses and supports both animal and public health protection.

The DIA-check Q Fever ELISA Test is an Enzyme-linked immunosorbent assay (ELISA) intended for the detection of antibodies directed against *Coxiella burnetii* in bovine, sheep and goat serum samples

Product highlights

NO GREY ZONE

Easy interpretation of results

EXTENSIVE VALIDATION

Verified on hundreds of samples, different operators and instruments

FASTER THAN ANY OTHER ON THE MARKET

Results in 70 minutes

HIGH-FIDELITY RESULTS

Calibration of each batch against reference material for consistent and reliable results

DIRECT SAMPLE TESTING

No sample predilution required

Intended use



Demonstrate freedom from infection in individual animal prior to movement

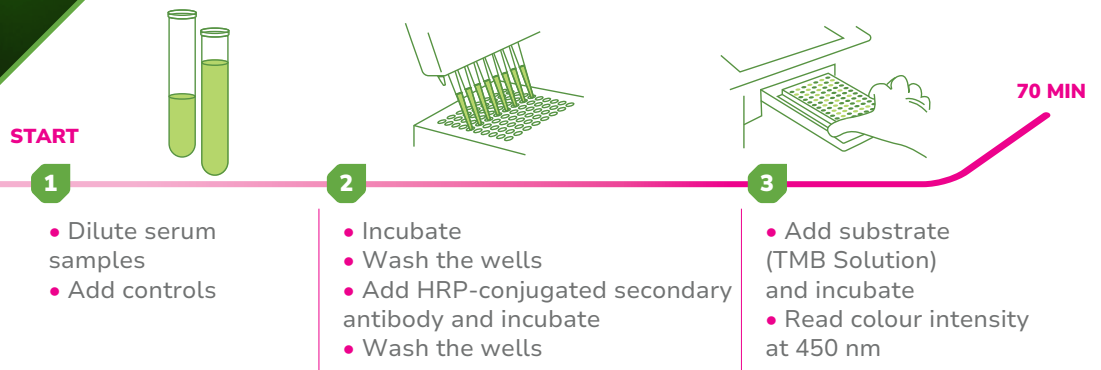


Rapid serological identification of infected animals



Demonstrate freedom from infection in a defined population

Workflow



Product Features

HIGH SPECIFICITY

Ensures accurate identification of the target pathogen or antibodies, minimizing false positives

HIGH SENSITIVITY

Detects even low levels of the analyte, crucial for early detection and identifying potential carriers

RELIABLE PERFORMANCE

Consistent and reproducible results across different batches and users

RAPID TURNAROUND TIME

Delivers results quickly, facilitating timely movement decisions

USER-FRIENDLY PROTOCOL

Simple and straightforward procedure, minimizing training requirements

MINIMAL HANDS-ON TIME

Reduces labor and increases efficiency in testing large numbers of animals

COMPATIBILITY WITH STANDARD LABORATORY EQUIPMENT

Integrates easily into existing laboratory workflows

INCLUDED POSITIVE AND NEGATIVE CONTROLS

Ensures the validity and accuracy of each test run

HIGH-QUALITY REAGENTS

Manufactured to stringent quality standards for optimal performance

BATCH-TO-BATCH CONSISTENCY

Guarantees reliable results over time. Analytical calibration of each batch is conducted using reference serum

Technical specifications

TEST METHOD	Indirect ELISA
FORMAT	96 well plate (12x8 well strips)
STORAGE TEMPERATURE	+2/8°C
SPECIES SAMPLE	Cattle, Sheep, Goat
SAMPLE TYPE	Serum
ASSAY TURNAROUND TIME	70 minutes

Diagnostic sensitivity & specificity

DIAGNOSTIC SENSITIVITY	DIAGNOSTIC SPECIFICITY
98.23% (93.78% to 99.69%)	97.03% (95.41% to 98.09%)

ORDERING INFORMATION

DIA-CHECK Q FEVER ELISA TEST

CODE	SIZE
AKE0026-1P	1 PLATE/96 TESTS
AKE0026-5P	5 PLATES/480 TESTS
AKE0026-50P	50 PLATES/4800 TESTS

For more information or to place an order, contact us at info@diatheva.com