



## VetPCR? C. burnetti (96D)

Numer katalogowy

VET-B031-96D

### Opis produktu

#### Coxiella burnetti PCR Detection Kit

Q fever is a worldwide disease with acute and chronic stages caused by the bacteria *Coxiella burnetii* (Legionellales; Coxiellaceae). *C. burnetii* appears cause disease in humans and laboratory animals such as rats and guinea pigs. However, it can induce abortions in sheep and goats, and causes reproductive problems in bovines. Sheep, goats, and cattle are the primary reservoirs although a variety of species may be infected. Microorganisms are excreted in milk, feces, and urine of infected animals. During birthing the microorganisms are shed in high numbers within the placenta and amniotic fluids. Infection of humans usually occurs by inhalation of these microorganisms from air that contains airborne barnyard dust contaminated by birth fluids, dried placental material, and excreta of infected animals. Other modes of transmission to humans, including tick bites, ingestion of unpasteurized milk or dairy products, and human to human transmission.

VetPCR? C. burnetti Detection Kit is the direct detection of *Coxiella burnetii* on the basis of a genetic database, so it can diagnose very fast and accurately. It can amplify only specific gene using the PCR (Polymerase Chain Reaction) method, and take only 3 hours for detection. Therefore, it is a very fast, accurate, reliable technique.

#### Characteristics

Ready to use : only DNA template and D.W. are needed. Easy and speed protocol. Stable for 1 year at -20°C. Time-saving and cost-effective.

#### Contents

Kit	Quantity 48	Quantity 96	Package
VetPCR™ C. burnetti Premixture	1	1	Vial
PCR Internal Control	1	1	Vial
DNase/RNase free water	1	1	Vial
C. burnetti PCR Positive control	1	1	Vial
PCR Negative control	1	1	Vial
Mineral Oil Solution	1	1	Vial
Brig™ Molecular Weight marker	1	1	Vial
DNA purification kit	50	100	Test

#### Interpretation of the Test Result

Expected PCR product size : 226bp



#### 1 Result:

Lane M: Molecular Weight Marker

Lane 1~2: C. burnetti Positive samples

Lane I.C.: Internal control

Lane P: Positive control

Lane N: Negative control