



VetPCR? B.bigemina (96D)

Numer katalogowy

VET-B002-96D

Opis produktu

Babesia bigemina PCR Detection Kit

Bovine babesiosis is a major tick-borne disease of cattle caused by protozoan parasites (*Babesia* spp). Out of at least six *Babesia* species that have a considerable impact on livestock health and productivity, two species, *Babesia bovis* and *Babesia bigemina* have the greatest affect. In cattle, *B. bigemina* can cause massive destruction of the red blood cells leading to severe anaemia and hemoglobinuria. This result in red urine (due to haemoglobin in urine) and the disease can kill a cow within a week.

VetPCR? *B.bigemina* Detection Kit is the direct detection of *Babesia bigemina* 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™ <i>B.bigemina</i> Premixture	1	1	Vial
PCR Internal Control	1	1	Vial
DNase/RNase free water	1	1	Vial
<i>B.bigemina</i> 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 : 300bp



Fig. 1 Result:

Lane M: Brig? Molecular Weight Marker

Lane 1~2: B.bigemina Positive samples

Lane I.C.: Internal control

Lane P: Positive control

Lane N: Negative control