



()

PCR

*

**

PCR

: _____

: _____

PCR

SrRNA

IgM

PCR

(/)

(/)

: _____

IgM

PCR

()

PCR

: _____

SrRNA

PCR

: _____

// :

// :

*

IgM (zoonotic)
(.)
PCR
DNA
(.)
()
()
DNA-DNA
(.)
()
PCR
()
(.)
DNA-DNA
SrRNA
()
(.)
(MAT)
PCR (real-time)
(Taqman)
IgM

² Polimerase Chain Reaction

¹ Microscopic Agglutination Test

/

/

()

B

PCR

SrRNA

.()

SrRNA

SrRNA

PCR

/ ± /

PCR

DNA

»

PCR

«

DNA

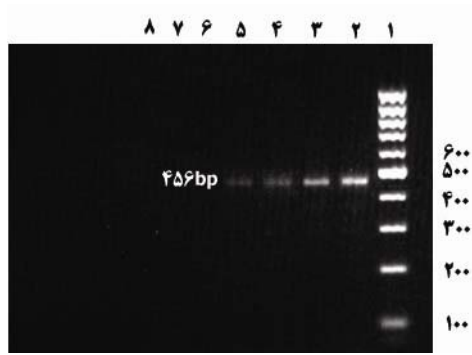
DNA

()

³ DNA Gyrase subunit B encoding gene

: .()
 PH / EDTA] L6-lysis buffer
 TritonX- (fluka) GUSCN
 () [(merck)
 Tris-Hcl GUSCN) L2-wash buffer
 PCR Techne-TC (/ PH /
 PCR mixture () k
 (Genekam) DNA DNA DNA
 PCR
 PCR
 TBE DNA
 bp DNA
 (Genekam)
 PCR
 PCR DNA (Oligo5)
 PCR (SrRNA
 bp
 DNA :
 L16SF:5'-CACCAAGGCGACGATCGGTAGC-3'
 L16SR:5'-CAAGTCGCCTTCGCCACTGGTG-3'
 PCR / PCR
 PCR DNA Taq DNA
 dNTP MgCl
 DNA PCRbuffer10X
 IgM PCR
 SERION-ELISA Classic Leptospira

. ()



شکل ۱: الکتروفورز محصول PCR، (۱) مارکر 100bp (۲) ۱ ng (۳) ۱۰۰ pg (۴) ۱۰ pg (۵) ۱ pg (۶) ۱۰۰ fg (۷) ۱۰ fg (۸) بدون DNA

PCR

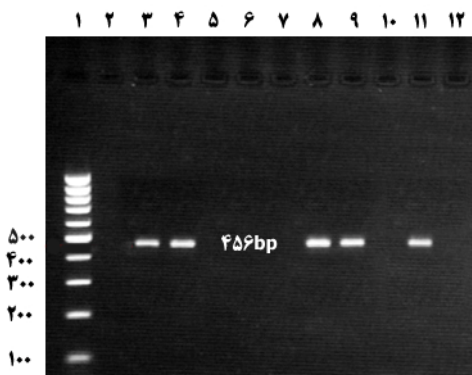
PCR

(/)

. ()

DNA

bp



شکل ۲: الکتروفورز محصول PCR نمونه‌های سرمی (۱) مارکر 100bp (۲) شاهد منفی (۳) شاهد مثبت (۴.۸.۹.۱۱) نمونه‌های سرمی مثبت لیتوسپیرا (۵.۶.۷.۱۰) نمونه‌های سرمی منفی لیتوسپیرا.

IgM

Institut Virion / Serion GmbH

L. Pomona : Leptospira interrogans
 L. copenhagenil L. icterohaemorrhagiae
 L. grippityphosa L. Bratislava L. canicola
 L. bataviae L. sejroe L. hebdomadis
 L. hardjo L. tarassovi

IgM

(SERION Rheumatoid)

Factor Absorbent Z

IgM

(> U/ml)

bp

-

SrRNA

(NCBI)

(Generunner)

bp

PCR

DNA

PCR
IgM ()
.()

IgM PCR :

| PCR | | |
|-------|-------|--------|
| | | IgM |
| (/) | (/) | (/)* |
| (/) | (/) | (/) |
| () | (/) | (/) |

*اعداد به صورت (درصد) تعداد می باشند.

PCR : / ± / PCR

: / ± /

PCR

MAT

() PCR (/)

PCR

PCR (/) (/)

CSF

PCR ()

/

/

MAT

PCR

.()

-

.()

PCR

PCR

PCR

.()

SrRNA

S

LipL

bp

real-time

PCR

.()

(Merien)

SrRNA

bp

DNA

.()

G₂ G₁

PCR

(L.Kirschneri)

/ /

Light cycler Taqman

PCR (real-time)

.()

.()

PCR

.()

DNA

PCR

.()

SrRNA

B

DNA

PCR

.()

PCR

.()

PCR

.()

SSCP

.()

(/)

.()

.()

.()

IgM

IgM

(Dengue)

.()

.()

⁴ Single-Strand Conformation Polymorphism Analysis

| | MAT | MAT |
|-----|-----|-----|
| | | () |
| PCR | | PCR |
| | | IgM |
| | PCR | |
| | () | |
| | | PCR |
| | PCR | () |
| | () | |
| | | () |

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