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//

*

STEC

EPEC EAEC

(Shiga Toxin Escherichia coli)

ETEC

()

STEC

STEC

(.)

Salmonella–Shigella Agar

(Promadisa, manufacture by Hispanlab, S.A

Madrid)

(.)

%

°C

()

Campy Blood Agar

(Himedia M 9960 India)

°C

Yersinia (% CO₂ % O₂ % N₂)

(Merck KGaA Darmstadt, – Selective Agar

°C Germany)

(.)

(.)

(Merck

GaA- Germany)

DNA

°C

/ ml

)

DNA PCR .

(

st, lt stx₂, stx₁, eae

()

() pCVD432

stx⁺

()

(Mast company) O157:H7

()

μl

μl

PCR

/ ,DNA

/ ()

/

/ Tag

(ice-pack)

(Eppendorf AG , 2233, Hamburg, Germany)

DNA

°C

(XLD) Xylose–Lysine–Desoxycholate–agar

UV °C °C
kb °C
PCR (*LT*⁺, *ST*⁺) *E.coli* ATCC 35401 :
O157:H7 (*stx1*⁺, *stx2*⁺, *eae*⁺) *E. Coli* ATCC 43894
stx (Agarose % / PCR
O157:H7 (Mast Company) LE Roche applied science, Germany)

| | (5'-3') | (bp) |
|----------------------|--|------|
| STEC (<i>stx1</i>) | CAGTTAATGTGGTGGCGAAG CTGCTAATAGTTCTGCGCATC | |
| STEC (<i>stx2</i>) | CTTCGGTATCCTATTCCCGG GGATGCATCTCTGGTCATTG | |
| EPEC (<i>eae</i>) | TGCGGCACAACAGGGGGCGA CGGTGCGCCGACCAGGATTC | |
| EAEC (pCVD432) | CTGGCGAAAGACTGTATCAT CAATGTATAGAAATCCGCTGTT | |
| ETEC (<i>lt</i>) | TCTCTATATGCACACGGAGC CCATACTGATTGCCGCAAT | |
| ETEC (<i>st</i>) | TCTGTATTGTCTTTTTACC TTAATAGCACCCGGTACAAGC | |

(% /)
(% /)
%
() / :
EPEC ,EAEC (% /) ()% /
) STEC () %
LT ETEC ()
(% /) ST (% /) ()
(% /) % /
STEC () % /
eae⁻, *stx2*⁺, *stx1*⁺
stx2, *stx1*, *eae*

/

()

(% /)

(%)

:

| (%) | (%) | (%) | (%) | (%) | () | |
|-----|-----|-----|-----|-----|-------|-------------|
| / | / | / | / | / | ± / | |
| / | / | / | / | / | / ± / | STEC |
| / | / | / | / | / | / ± / | EAEC |
| | / | / | / | / | / ± / | EPEC |
| / | / | | / | / | ± / | |
| / | / | / | / | / | / ± / | |
| / | | / | / | / | ± / | ETEC |

(% /)

(% /)

()

()

()

(%)

(% /)

()
EPEC

(% /)

()
(% /)

()

()

(HUS)

STE C

.()

Diarrhegenic *E.coli*

ETEC EAEC

ETEC (%)

(%) EAEC

.()

(% /) STEC (*Diarrhegenic E.coli*)

PCR

.() (% / % /)

STE C

.()

STE C

(HUS)

STE C EPEC

HUS

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