

//
//

()

*

STEC

EPEC EAEC

(Shiga Toxin Escherichia coli)

ETEC

()
STEC

STEC

(.)

f_jaafari580@yahoo.com :

Salmonella–Shigella Agar
(Promadisa, manufacture by Hispanlab, S.A
Madrid)

(.)
%
()

Campy Blood Agar
(Himedia M 9960 Imdia)
°C

Yersinia (% CO2 % O2 % N2)
(Merck KGaA Darmstadt, – Selective Agar
°C Germany)

(.)

(.)
(Merck

DNA GaA- Germany)
°C

DNA PCR . / ml)
(

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>) | TGCGGCACAACAGGCGGCGA CGGTCGCCGCACCAGGATTC | |
| 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*

| | | <i>E.coli</i> O157-H7 <i>stx1, stx2</i> | |
|-------------------------------------|------------------|---|--------|
| (n=) | : | | |
| a (%) | | (% /) | |
| (% /) | | | |
| | STEC | (% /) | |
| (% /) | <i>stx1</i> | | |
| (% /) | <i>stx2</i> | | |
| (% /) | <i>stx1/stx2</i> | (n =) | |
| (% /) | EAEC | | |
| (% /) | EPEC | () | |
| (% /) | | () | |
| | ETEC | (/) | |
| (% /) | <i>LT</i> | (/) | |
| (% /) | <i>ST</i> | (/) | |
| (% /) | <i>LT/ST</i> | | () |
| | | (/) | |
| (%) a | | (/) | |
| | | (/) | |
| | | (/) | |
| | | (/) | |
| | | (/) | |
| | | (/) | |
| | | (/) | |
| | (%) | : / | (/) |
| <i>Shigella flexneri</i> /EAEC | (/) | / ± / | (± SD) |
| <i>Salmonella paratyphi A</i> /ETEC | (/) | / ± / | (± SD) |
| <i>Shigella boydii</i> /EAEC | (/) | / ± / | |
| <i>Salmonella typhi</i> /EPEC | (/) | () | |
| <i>Salmonella paratyphi C</i> /EPEC | (/) | (/) | |
| <i>Shigella sonnei</i> /EAEC | (/) | (/) | |
| <i>Salmonella group D</i> /EAEC | (/) | (/) | |
| <i>Shigella flexneri</i> /STEC | (/) | (/) | |
| <i>Campylobacter</i> /STEC | (/) | (/) | |
| <i>Campylobacter</i> /EAEC | (/) | (/) | |
| | (/) | (/) | |

()

(% /)

(%)

:

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

(% /)

(% /)

()

Archive of SID

()

()

(%)

()

()

(% /)

EPEC

(% /)

(% /)

()

()

(HUS)

()

Diarrhegenic E.coli

ETEC EAEC

ETEC (%)

(%) EAEC

()

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

PCR

() (%) / % /)

STEC

()

STEC (HUS)

STEC EPEC

HUS

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