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PREVALENCE AND CHARACTERISTICS OF ESC ISOLATES HARBOURING SHIGA TOXIN GENES ACUTE DIARRHOEAL PATIENTS IN DHAKA, B.

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Abstract: Shiga toxin genes (*stx*) harbouring *Escherichia coli* (Sī isolated and identified from diarrhoeal patients visiting the Dhaka H Centre for Health and Population Research, Dhaka, Bangladesh. O

isolated from 775 diarrhoeal stool specimens, 19 harboured stx1, a revealed to have amplicons for both stx1 and stx2 by a PCR assay the 349-bp stx1 from representative isolates revealed 100% homol of stx1 available in the GenBank. Among the stx1 positive isolates, but none were positive for hlyA, katP, etpD or saa genes. Fifteen strains could be categorized into 13 non-O157 serogroups while 4 was a rough strain. Most of the STEC strains were resistant to ampi trimoxazole, tetracycline, and nalidixic acid. In the Vero cell assay, negative for expression of Shiga toxin (Stx). Randomly amplified pc (RAPD) PCR analysis demonstrated genetic diversity. This is one o show the presence of STEC in diarrhoeal patients in Bangladesh.

Key words: Diarrhoea, STEC, PCR, Shiga toxin gene, Genetic di

[PDF (90K)] [References]

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