

Prevalence and characterization of verotoxigenic-Escherichia coli isolates from pigs in Malaysia

Abstract

Postweaning diarrhea caused by pathogenic *Escherichia coli*, in particular verotoxigenic *E. coli* (VTEC), has caused significant economic losses in the pig farming industry worldwide. However, there is limited information on VTEC in Malaysia. The objective of this study was to characterize pathogenic *E. coli* isolated from post-weaning piglets and growers with respect to their antibiograms, carriage of extended-spectrum beta-lactamases, pathotypes, production of hemolysins and fimbrial adhesins, serotypes, and genotypes.

Keyword: Multidrug resistance; Pig farms; Postweaning diarrhea (PWD); Shiga-toxin (Stx)-producing *E. coli* (STEC); Swine; Verotoxigenic-*E. coli* (VTEC).