DEVELOPMENT AND EVALUATION OF A SELECTIVE AND INDICATIVE MEDIUM FOR ISOLATION OF ACTINOBACILLUS-PLEUROPNEUMONIAE FROM TONSILS

In order to isolate Actinobacillus pleuropneumoniae from mixed bacterial flora a selective and indicative medium was developed. The optimal concentrations of antibiotics were determined for selective chocolate agar (S-TSA) and selective blood agar (S-MBA) using a set of 25 strains of A. pleuropneumoniae. Following optimization of the media 96 isolates of A. pleuropneumoniae were tested on S-TSA and S-MBA. For isolation of A. pleuropneumoniae from 101 pig tonsils collected at slaughter the S-MBA proved significantly better than both S-TSA and the two non-selective agars tested. Furthermore, contaminating growth by bacteria other than A. pleuropneumoniae was significantly reduced on S-MBA compared to S-TSA and the two non-selective media.

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