

Letter of the Editor

**TIPIFICATION BY CAPSULAR REACTION TEST of *Streptococcus suis*
ISOLATED IN PIGS GENOTYPES *cps* 2J+ AND *cps* 9J+**

Dear Editor:

Streptococcus suis is a high pathological gram-positive bacterium infecting pigs. In this species, 33 capsular serotypes are recognized; however the most prevalent are serotypes 1/2, 2, 3, 7, 9 and 14, but the distribution of predominant serotypes may vary in different geographic regions. Serotype 2 is the most pathogenic and shows an elevated zoonotic potential.

Our lab has worked on the obtaining of specific antiserum to capsular genotype *cps* 2J+ and *cps* 9J+ of *Streptococcus suis* from clinical isolates associated to pathological lesions of swine respiratory tract.

A rapid diagnostic based agglutination test which allows an easy, rapid, cost-effective and specific discrimination among different streptococcus and others related with porcine respiratory complex bacterial strains have been assayed.

Both antisera (vs-*cps* 2 and vs-*cps* 9) recognized the homologue strain with titer of 1/32 and did not show a positive reaction with other bacteria associated to pig respiratory complex, such as *Mycoplasma hyopneumoniae*, *Pasteurella multocida*, other genotypes of *Streptococcus suis* used in this study, as well as *Streptococcus equisimilis* (zooepideremicus) and *Mycoplasma hyorini*.

For further studies, it is necessary to increase the number of isolates. More specific and sensitive techniques for diagnosis of genotype *cps* 2J+ and *cps* 9 will be assayed directly in clinical samples as organs with invasive procedures, nasal and bronchial swabs.

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