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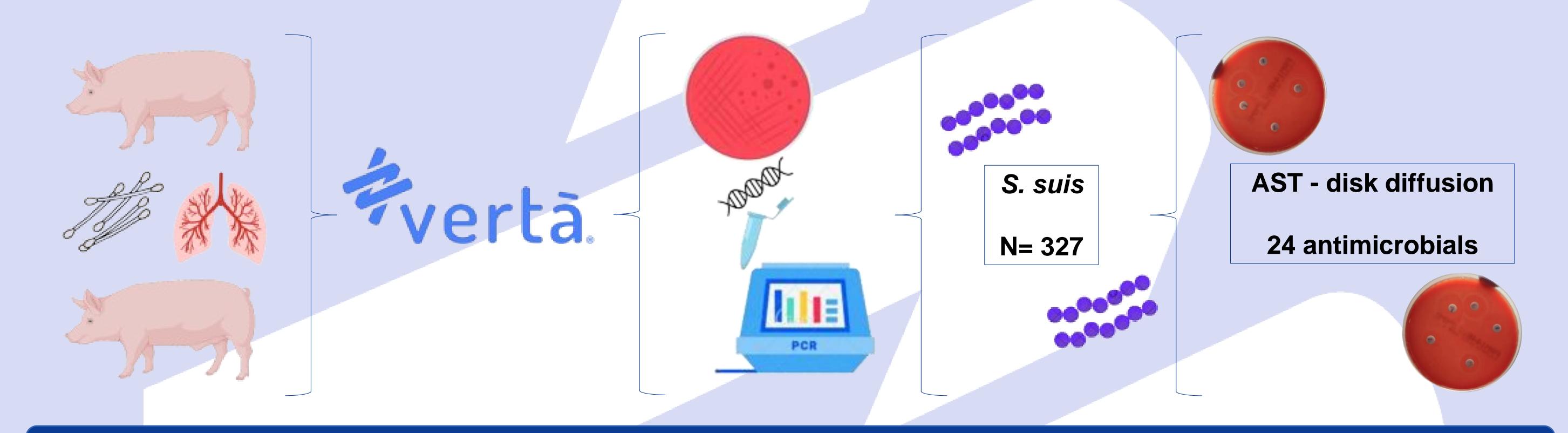
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INTRODUCTION

- Streptococcus suis (S. suis) causes swine streptococcosis and is considered an emerging zoonosis;
- In recent years has been an increase in reports of resistance among *S. suis* strains in animal treatment;
- The aim of this study was to investigate the antimicrobial resistance profile of *S. suis* isolated from swine with different clinical conditions in Brazil.

MATERIALS AND METHODS



RESULTS AND CONCLUSION

327 isolates were molecularly confirmed as S. suis, comprising clinical presentations of pneumonia (127/327 – 38.8%), meningitis (102/327 – 31.2%), polyarthritis (71/327 – 21.7%), and septicaemia (27/327 – 8.3%). Table 1 describes the percentage of antimicrobial sensitivity. The use of bacterial isolation followed by antimicrobial sensitivity testing is crucial for devising effective strategies to control S. suis infections.

Table 1. Antibiotic resistance profile of 327 isolates of *Streptococcus suis* from swine with different clinical conditions.

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Antimicrobial	Sensitivity % (N)	Antimicrobial	Sensitivity % (N)
Amoxicillin + Clavulanate	98,5 (322)	Norfloxacin	59,0 (193)
Amoxicillin	97,0 (317)	Spectinomycin	54,7 (179)
Florfenicol	95,4 (312)	Ciprofloxacin	51,8 (169)
Fosfomycin	90,9 (297)	Enrofloxacin	47,7 (156)
Ceftiofur	89,9 (294)	Gentamicin	46,5 (152)
Doxycycline	89,9 (294)	Sulfa + Trimethoprim	46,2 (151)
Ampicillin	87,5 (286)	Streptomycin	45,9 (150)
Cephalothin	85,7 (280)	Penicillin	43,7 (143)
Erythromycin	84,7 (277)	Neomycin	29,4 (96)
Marbofloxacin	75,0 (245)	Lincomycin	25,0 (81)
Lincomycin + Spectinomycin	68,8 (225)	Tetracycline	11,9 (39)
Oxacillin	60,0 (196)	Cephalexin	11,0 (36)