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ABBREVIATIONS AND SYMBOLS

<i>A. pleuropneumoniae</i>	=	<i>Actinobacillus pleuropneumoniae</i>
NAD	=	Nicotinamide adenine dinucleotide
LPS	=	Lipopolysaccharide
CPS	=	Capsular polysaccharide
PCR	=	Polymerase chain reaction
CAMP effect	=	Christie-Atkins-Munch- Petersen effect
nm	=	nanometer
μM	=	micro Molar
fg	=	femtogram
μg	=	microgram
ELISA	=	Enzyme linked immunosorbent assay
SAT	=	Rapid slide agglutination test
CFT	=	Complement fixation test
IHA	=	Indirect hemagglutination test
AGID	=	Agar gel immunodiffusion test
IFA	=	Indirect fluorescent antibody test
<i>omlA</i>	=	Outer membrane lipoprotein A gene

min	=	minute
s	=	second
mg	=	milligram
U	=	Unit
μ l	=	microliter
kDa	=	kilodalton
MgCl ₂	=	Magnesium chloride
HCl	=	Hydrochloric acid
dNTPs	=	Deoxynucleoside triphosphates
DMSO	=	Dimethyl sulfoxide
PEG	=	Polyethylene glycol
Mg ²⁺	=	Magnesium ion
T _m	=	melting temperature
dsDNA	=	double stranded deoxyribonucleic acid
EDTA	=	ethylenediaminetetraacetic acid
dATP	=	deoxyadenosine 5'-triphosphate
dTTP	=	deoxythymidine 5'-triphosphate
dCTP	=	deoxycytidine 5'-triphosphate
dGTP	=	deoxyguanosine 5'-triphosphate
mM	=	milli Molar
ssDNA	=	single stranded deoxyribonucleic acid

°C	=	degree of Celsius
ng	=	nanogram
<i>E. coli</i>	=	<i>Escherichia coli</i>
bp	=	base pair
BHI	=	brain heart infusion
h	=	hour
CO ₂	=	carbon dioxide
M	=	molar
KCl	=	potassium chloride
CFUs/ml	=	colony forming units per milliliter
CFUs/PCR tube	=	colony forming units per PCR tube

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