

ANNEX 1

Claims

1. Diagnostic method of the infection by a type II porcine circovirus responsible in pigs for Post-Weaning Multisystemic Wasting Syndrome (PMWS), wherein a sample of physiological fluid or a porcine tissue sampling and a diagnostic reagent specific to type II circovirus that recognises a type II circovirus selected from those deposited at the ECACC with accession No V97100217, V97100218 and V97100219 are put together, and the potential presence of specific type II porcine circovirus antigen, antibody or nucleic acid is revealed within this sample or sampling.
2. Method according to claim 1, characterized in that the diagnostic reagent comprises at least a DNA sequence forming a specific type II porcine circovirus probe or primer.
3. Method according to claim 1, characterized in that the diagnostic reagent comprises the sequence SEQ ID NO:6.
4. Method according to claim 1, characterized in that the diagnostic reagent comprises at least a fragment of the sequence SEQ ID NO:6, this fragment allowing the formation of a specific type II porcine circovirus probe or primer.
5. Method according to any one of claims 1 to 4, characterized in that the method is based on a hybridization or Polymerase Chain Reaction technique.
6. Method according to claim 1, characterized in that the reagent comprises a specific type II porcine circovirus antigen.
7. Method according to claim 6, characterized in that the reagent comprises a specific type II porcine circovirus epitope or polypeptide, encoded by a fragment of the sequence SEQ ID NO:6.
8. Method according to claim 6 or 7, characterized in that the antigen, epitope or polypeptide allows the detection of antibodies within the sample or sampling, these antibodies being type II porcine circovirus specific.

9. Method according to claim 1, characterized in that the reagent comprises a specific type II porcine circovirus antibody.
10. Method according to claim 1, characterized in that a reagent comprising a specific type II porcine circovirus antibody, and a reagent comprising a specific type II porcine circovirus antigen are used.
11. Method according to any one of claims 6 to 10, characterized in that a method of type Western Blotting, immunofluorescence, ELISA or immunochromatography is applied.
12. Method according to claim 11, characterized in that an indirect test method, competition or displacement is applied.
13. Isolated preparation of type II porcine circovirus responsible in pigs for the Post-Weaning Multisystemic Wasting Syndrome (PMWS) specific antibodies, obtainable from a type II porcine circovirus or from an antigenic fragment of a type II porcine circovirus or from a polypeptide encoded by a fragment of the sequence SEQ ID NO:6.
14. Preparation according to claim 13, characterized in that the type II porcine circovirus is selected from those deposited at the ECACC with accession No V97100217, V97100218 and V97100219.
15. Preparation according to claim 13 or 14, characterized in that the antibodies are polyclonal antibodies or monoclonal antibodies.
16. Preparation according to claim 13, 14 or 15, characterized in that the antibodies comprise labelled antibodies.
17. Preparation according to claim 16, characterized in that the antibodies are labelled with peroxidase or by particulate labelling, e.g. colloidal gold.
18. Isolated antigenic preparation comprising a type II porcine circovirus responsible in pigs for the Post-Weaning Multisystemic Wasting Syndrome (PMWS) specific antigen, this antigen being recognized by antibodies specific to a type II porcine circovirus specific antibodies selected from those

deposited at the ECACC with accession No V97100217, V97100218 and V97100219 and allowing the diagnostic of type II porcine circovirus infection.

19. Kit for the diagnostic of the infection by a type II porcine circovirus responsible in pigs for the Post-Weaning Multisystemic Wasting Syndrome (PMWS), comprising at least an antibody and/or antigen as defined in any one of claims 13 to 18.
20. Kit according to claim 19, characterized in that it comprises the means for performing a method of type Western Blotting, immunofluorescence, ELISA or immunochromatography.
21. Kit according to claim 20, characterized in that it comprises the means for performing an indirect test method, competition or displacement.