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Evaluation of hydrophobic chitosan-based particulate formulations of porcine reproductive and respiratory syndrome virus vaccine candidate T cell antigens

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Highlights:

- Novel biomimetic particulate formulations of PRRSV antigens evaluated in pigs.
- Antibody responses elicited by both crude and defined PRRSV antigen formulations.
- Vaccine-induced T cell responses only measurable in CD4 cells.
- Protective effect restricted to enhanced control of viraemia.
- Further optimisation/modification required to enhance CD8 T cell induction.