

**PLS-IF1000,
Foot-and-Mouth
Disease (FMD)
Trivalent DNA
Vaccine against O, A,
and Asia1 Serotypes**

Product Introduction

- PLS-IF1000 is FMD trivalent DNA vaccine preventing serotypes O, A, and Asia1 of **FMDV infection** which are prevalent in East South Asia.
- **DNA vaccine** does not contain oil adjuvant which often causes abscesses or granuloma around injection site.
- PLS-IF1000 will save economic **loss of \$100 million/year** due to pork meat abscesses or granuloma due to oil adjuvant in commercialized FMD inactivated vaccine.



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**“Evaluation of Immunogenicity of FMD Trivalent
DNA Vaccine in SPF Mini Pig”**

(Awarded on Aug. 2017)

Product Mode of Action (MoA)

- PLS-IF1000 has antigenic gene inducing neutralizing antibody as well as strong cellular **immune responses**.
- DNA plasmid injection followed by **electroporation** induces protective humoral immune responses.