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Product Information

Chimeric arterivirus-like particles (PRRSV VLPs)

{AlternativeNames}

Cat. No.: **VLP-037YF**
This product is for research use only and is not intended for diagnostic use.

Recombinant Chimeric arterivirus-like particles (PRRSV VLPs) are produced in BHK-21 cells expression system, assembled with M protein. VLP is mimicking the native 3D structure of viruses which can elicit strong immune responses. However, VLPs lack viral genomic material which makes them non-infectious, unable to replicate and enhance the safety during manufacture and administration. PRRSV VLPs can be used in the development of PRRSV diagnostics and in vaccine development and R&D (including use as an immunogen).

Product Specifications

Structural Proteins

M protein

Expression Systems

BHK-21 cells expression system

Form

Liquid

Alternative Names

Chimeric arterivirus-like particles; PRRSV VLPs; Betaarterivirus suid 1 virus-like particles; Betaarterivirus suid 1 VLPs; Porcine reproductive and respiratory syndrome virus; Porcine reproductive and respiratory syndrome virus-like particles; Porcine reproductive and respiratory syndrome VLPs; virus-like particles; VLPs

Storage

Store at -80°C long term. Avoid repeated freeze/thaw cycles.

Virus Background

Virus Family

Arteriviridae

Virus Species

Betaarterivirus suid 1

Virus Overview

Betaarterivirus suid 1, formerly Porcine reproductive and respiratory syndrome virus (PRRSV), is a virus that causes a disease of pigs. PRRSV is a small, enveloped RNA virus. It contains a single-stranded, positive-sense, RNA genome with a size of approximately 15 kilobases. The genome contains nine open reading frames. PRRSV is a member of the genus Arterivirus, family Arteriviridae, order Nidovirales. Other members of the genus Arterivirus include: equine arteritis

virus, simian hemorrhagic fever virus, wobbly possum disease virus, and lactate dehydrogenase elevating virus.

Virus Structure

Enveloped, positive-sense, single-stranded RNA virus

Related Disease

Disease of pigs

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