



Rapid Aqueous Adjuvant

Our Product Introduction

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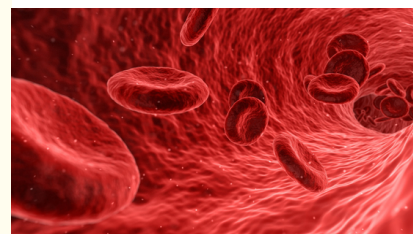
Basic Information

- Place of Origin: Wuhan, Hubei, China
- Brand Name: Meilun Materials
- Model Number: SNK
- Minimum Order Quantity: 1 ML
- Packaging Details: 1ml/ bottle, 10ml/ bottle
- Payment Terms: L/C, T/T
- Supply Ability: 1T/month



Product Specification

- Highlight: Rapid immune aqueous adjuvant , immunoadjuvant, Immune adjuvant



More Images



Product Description

Water-Based Rapid Immunological Adjuvant: Product Overview

The **Water-Based Rapid Immunological Adjuvant** is a next-generation core excipient for veterinary vaccines, designed to enhance the speed and efficacy of immune responses in animals. With its high efficiency, safety, and broad-spectrum compatibility, this adjuvant meets the vaccine development and production needs of livestock, pets, and special economic animals. Utilizing advanced water-based formulation technology and targeted immune-enhancing components, it enables **rapid antibody production** and **long-lasting protection**, supporting disease prevention and biosecurity in animal husbandry.

1. Core Product Series

General-Purpose Rapid Immunological Water-Based Adjuvant: Compatible with various vaccine antigens (inactivated vaccines, subunit vaccines, etc.), triggering a broad immune response and reducing antibody production time by **30%-50%**.

Animal-Specific Rapid Water-Based Adjuvants:

Rabbit-Specific Rapid Water Adjuvant: Optimized for rabbit immunity, minimizing injection site reactions and ensuring safety for breeding and young rabbits.

Rodent-Specific Rapid Water Adjuvant: Laboratory-grade, high-purity adjuvant suitable for mice, rats, and other research animals, ensuring stable and reproducible data.

Goat/Llama Rapid Water Adjuvant: Enhances mucosal and cellular immunity in ruminants, suitable for vaccines targeting **foot-and-mouth disease (FMD)** and **brucellosis**.

Horse Rapid Water Adjuvant: Designed for equine species, featuring a **high-flow** formulation for large-volume injections, reducing the risk of local inflammation.

Composite Manganese Water Adjuvant: Utilizes manganese ion co-immune enhancement technology to activate the **TLR pathway**, significantly improving **Th1/Th2** immune balance, ideal for poultry and swine vaccines.

2. Key Product Features

- ✓ **Rapid & Efficient:** Triggers a significant immune response within **24-48 hours**, reducing the vaccine protection gap and making it ideal for emergency immunization during outbreaks.
- ✓ **Safe & Mild:** **Water-based matrix** leaves no mineral oil residues, causes **no nodules or swelling**, and minimizes stress responses and production losses.
- ✓ **Broad Compatibility:** Excellent compatibility with inactivated viruses, recombinant proteins, and polysaccharide antigens without compromising antigen stability.
- ✓ **Long-Lasting Protection:** **Sustained-release technology** maintains antibody titers for **≥6 months**, reducing the need for frequent booster vaccinations and optimizing farming costs.

3. Application Scenarios & Value

Large-Scale Farms: Enhances vaccine performance in pigs, cattle, and poultry, rapidly establishing herd immunity to lower mortality rates and treatment costs.

Veterinary Clinics: Improves vaccine efficacy in dogs and cats, boosting protection rates for **rabies**, **parvovirus**, and other critical vaccines, increasing pet owner confidence.

Special Economic Animals: Custom-fit for **foxes**, **minks**, **rare birds**, and other specialized breeding industries, addressing **compatibility challenges** with traditional adjuvants.

Vaccine R&D: Provides an **effective adjuvant system** for next-generation **genetic engineering** and **mRNA vaccines**, accelerating clinical trials and commercialization.

Antibody preparation: Improve the speed of immune response and antibody production, simplify experimental procedures, shorten the R&D cycle, improve antibody quality and production efficiency, and has the advantages of high efficiency, safety and environmental protection.

4. Technological Advantages & Quality Standards

- ✓ **Innovative Formulation:** **Nano-emulsification** ensures uniform adjuvant-antigen dispersion, with **stability exceeding 36 months**, even in high-temperature and high-humidity environments.
- ✓ **Strict Quality Control:** **ISO 9001 & GMP-certified**, sterile and endotoxin-free, compliant with **OIE (World Organisation for Animal Health)** adjuvant safety guidelines.
- ✓ **Customizable Solutions:** Offers **tailored viscosity, particle size, and immune targeting (mucosal/systemic)** to meet diverse vaccine development needs.

Choose our **Water-Based Rapid Immunological Adjuvant** to empower **animal health** with **cutting-edge immunological technology**!

For **samples, technical specifications, or collaboration inquiries** contact our **Animal Health Division** for professional support.



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