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Highly Effective Immunogenic Adjuvant. Stimune



EFFECTIVE AND SAFE ADJUVANT SYSTEM FOR STRONGLY INCREASED
ANTIBODY PRODUCTION IN MICE AND OTHER SPECIES.

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Stimune Saves animals



Stimune

Preferable dose per immunization:

Mice, parakeets	0,1 ml
Chicken	0,5 ml
Guinea pigs and rats	0,5 ml
Rabbits, goats and pigs	1,0 ml



Stimune

Prod. No. 7925000 (2 vials with 20 ml each)

STIMUNE

Stimune is a water-in-oil adjuvant, developed at the Animal Sciences Group (ID-Lelystad) in Lelystad, The Netherlands. The adjuvant has been extensively tested by the Animal Sciences Group and other laboratories and can be used to immunize a range of animals including birds, mice, guinea pigs, rabbits, pigs and goats.

The mineral oil based emulsion is fortified with protein exposing reagents, allowing Stimune to elicit strong immune reactions. Stimune can be applied both subcutaneously and intramuscularly.

WHAT ARE THE BENEFITS OF STIMUNE?

High antibody yields

Stimune is a proven adjuvant that has been in use since 1985 and has been commercially available since 1996. It is a potent adjuvant, eliciting a strong immune response in B cells. Antibody yields can be more than tenfold higher than with other adjuvants. This has been shown with various antigens and in a range of animal models including parakeets¹ and rabbits².

Safe

Stimune is a safe adjuvant. Side effects have been tested extensively in pigs, piglets and rabbits. Additionally, a pyrogenicity test was performed in rabbits according to the European Pharmacopoeia. The side effects following immunization are negligible. The adjuvant is non-pyrogenic and only slight degeneration of muscular tissue is sometimes observed at the site of immunization.

Stringent quality control ensures product consistency, purity and biological activity, enabling scientists to use Stimune with confidence.

Stimune is a safe adjuvant that elicits a strong immune response, resulting in high antibody yields. Because of its efficacy, Stimune could reduce the number of animals used.

STABILITY

Stimune can be stored with the antigen at $5 \pm 3^\circ\text{C}$ for at least one year without loss of activity. Do not freeze.

INTENDED USE

Four parts of the water phase containing the antigen is mixed with 5 parts Stimune (v/v). See table in the left column for the preferable dose per immunization. Stimune is intended FOR RESEARCH PURPOSES ONLY.

References:

1) I. Beck, H. Gerlach, E. Burkhardt and E.F. Keleta

Investigation of several selected adjuvants regarding their efficacy and side effects for the production of a vaccine for parakeets to prevent a disease caused by a paramyxovirus type 3 Vaccine 21 (2003) 1006-1022

2) B.A. Bokhout, C. van Gaalen and Ph.J. van der Heijden

A selected water-in-oil emulsion: composition and usefulness as an immunological adjuvant Veterinary Immunology and Immunopathology, 2 (1981) 491-500

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