



Vietnam's No. 1 FMD Vaccine

World-class FMD Vaccine.
Providing solutions for
animals and farmers.



The evolution of animal health



**Biogénesis
Bagó**

Five reasons why AFTOGEN® OLEO is your best choice for FMD control and prevention



1 AFTOGEN® OLEO is a high potency vaccine of more than 6PD₅₀.

Guaranteed protection with more than 6PD₅₀ even against heterologous FMD viruses circulating in Asia



O/SEA/Mya-98

9.96
PD₅₀

O/ME-SA/Ind-2001

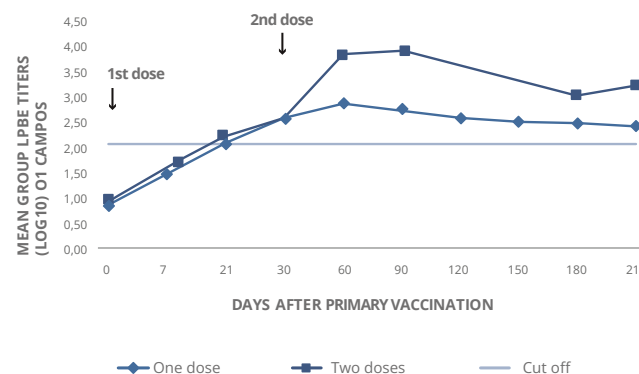
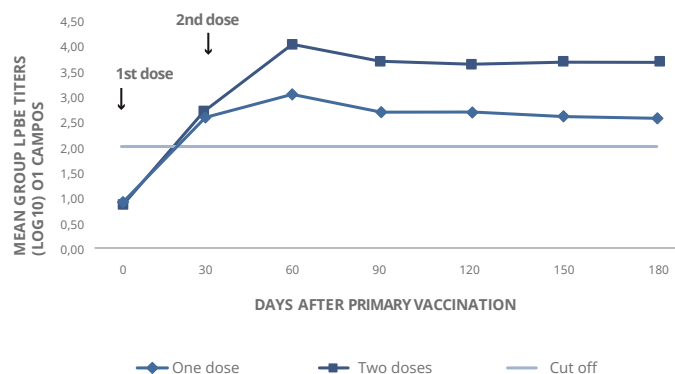
8.00
PD₅₀

- Can be used for emergencies.
- Provides better protection than standard 3PD₅₀ vaccines.
- Ideal for use in Vietnam farms where FMD is endemic.

2 AFTOGEN® OLEO provides early onset of immunity and long duration of protection.

Swine

Cattle



- Animals quickly develop protective level of antibodies after vaccination.
- Protection lasts until at least 6 months; animals are protected until slaughter.
- Longer protection results in fewer number of vaccinations per year.
- Saving costs while not compromising protection.

3 AFTOGEN® OLEO has proven broad-cross protection worldwide and against FMD viruses isolated in Vietnam.

Epidemiological situation of FMD Serotype 0 in recent years. (2019-2021)

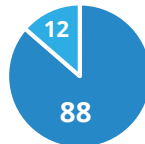
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- ◆ O/CATHAY
- ◆ O/ME-SA/PanAsia



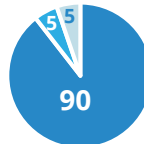
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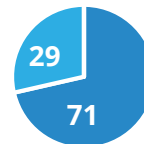
O/ME-SA/Ind-2001e



O/SEA/Mya-98



O/CATHAY



O/ME-SA/PanAsia



Neutralizing antibodies
Log₁₀

- STRONG POSITIVE > 1.9
- POSITIVE 1.5-1.9

- LOW POSITIVE 1.2-1.4
- NEGATIVE < 1.2



- Tested against all kinds of FMD virus lineages in Asia region.
- High levels of neutralizing antibodies against circulating strains in Vietnam.
- Guaranteed protection against FMD outbreaks from different 0 lineages.

4 AFTOGEN® OLEO is highly purified with many benefits.

Differentiation of vaccinated animals from natural infections. Key for eradication programs.

Long shelf life of 24 months due to removal of proteases.



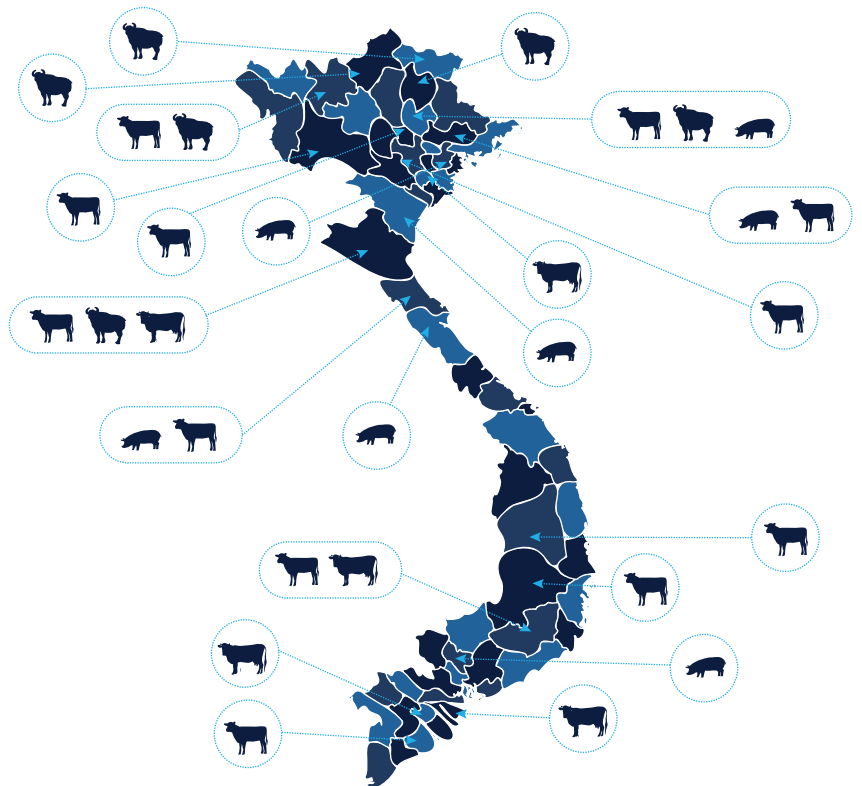
No post-vaccination reactions.

No impurities leading to high antibody levels and protection.

5 AFTOGEN® OLEO is a globally-recognized and trusted FMD Vaccine with proven local experience.



- Proven experience in outbreak control in many areas, in different species.
- **Guaranteed protection against local isolates.**
- Useful for vaccinations in communities with different species present.



Mr. Nguyen Nhu.So | (Chairman of Dabaco Group)

"Durind FMD outbreaks in 2018/2019, Dabaco Group was one of the first companies to incorporate AFTOGEN® OLEO to control FMD. Since then, we kept vaccinating our animals and relying in AFTOGEN® OLEO."

Foot and Mouth Disease (FMD) is a highly contagious disease which affects susceptible cloven-hoofed animals such as pigs, cattle, and buffaloes. It causes great economic loss in livestock production affecting the livelihood of farmers and trade of an infected nation.

Vaccination is a proven way to control and prevent FMD. Biogenesis Bago's **AFTOGEN® OLEO** is an inactivated FMD vaccine with world-class recognition and trust by farmers all over the world.



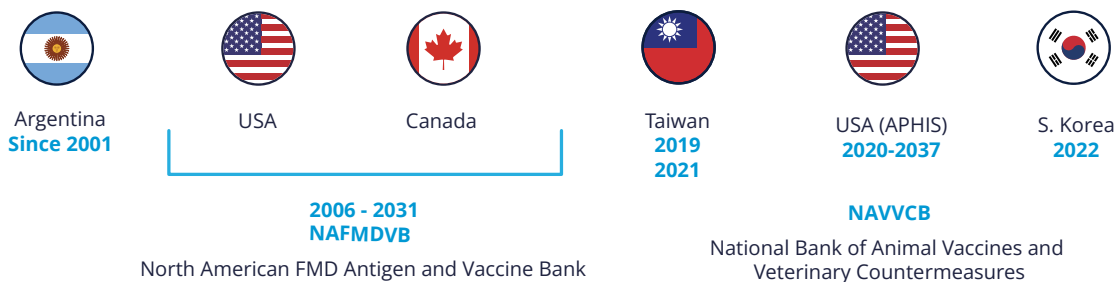
Recommended AFTOGEN® OLEO vaccination schedule



AFTOGEN® OLEO is a WORLD-CLASS FMD Vaccine

With more than 70 years of experience, Biogenesis Bagó has made significant contributions to the control and prevention of FMD in several countries, providing the necessary vaccines during emergencies and outbreaks.

FMD Antigen and Vaccine Bank Supplier



FMD Emergencies Attended



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EXCLUSIVE DISTRIBUTOR IN VIETNAM