

The Science of Protected

Merck Animal Health Vaccine Collection





**“Our aim is to help
horses live long, healthy
and productive lives.”**

Merck Animal Health

**OVER 70 YEARS *of*
INNOVATIVE ANIMAL
HEALTH SOLUTIONS**

Merck Animal Health has a rich history; it is a story of innovation, commitment to research and entrepreneurship in animal health, reaching back over 70 years. The establishment of the company was sparked by breakthrough ideas — ideas from people with the intelligence and spirit to take on the diseases they saw harming animals, people, and livelihoods all around them. Now, this long-standing experience is helping to shape the future of animal health.

We are driven by

PASSION FOR SCIENCE AND ANIMAL HEALTH

Merck Animal Health is not just a company.

**It's where the science of healthy animals meets the
commitment of horse health professionals.**

**We work every day to bring you innovative
products and trusted support. We are building
on a rich history of providing animal health
solutions. However, to help solve the challenges
equine veterinarians face, we're not resting on
our history alone. Merck Animal Health continues
to make significant investments in research and
development each year.**

***“The science behind our
protection builds off a
rich history of innovation
but doesn't stop there.
Our researchers are behind
the scenes looking for
tomorrow's solutions.
We're listening to what
horse owners are concerned
with and anticipating tools
veterinarians will need.
I'm proud of our portfolio
today, and even more
excited about how it will
look in the future.”***

**Wendy E. Vaala, V.M.D., Dipl. ACVIM
Merck Animal Health**



We developed a

VACCINE LINE THAT SETS THE STANDARD IN QUALITY & SAFETY

Prestige®

- PRESTIGE® V + WNV
- PRESTIGE® V + VEE
- PRESTIGE® V
- PRESTIGE® II
- PRESTIGE®

The Prestige line of equine vaccines help aid in prevention of many of the most common equine diseases, including eastern, western and Venezuelan encephalomyelitis, tetanus, equine influenza, equine herpesvirus and West Nile virus. Prestige vaccines are formulated to minimize reactions and maximize protection. Plus, multiple antigen combinations provide veterinarians the flexibility to create a customized vaccination program for each horse.

Encevac®

- ENCEVAC® TC-4 + VEE
- ENCEVAC® TC-4
- ENCEVAC® T + WNV
- ENCEVAC® T + VEE
- ENCEVAC® T

The Encevac line of equine vaccines covers eastern, western and Venezuelan encephalomyelitis, tetanus, influenza and West Nile virus. Encevac vaccines have an exceptional safety profile in a variety of combinations to help protect every horse.

FLU AVERT® I.N.

Only Flu Avert I.N. provides unparalleled influenza protection by stimulating local and systemic immunity. Intranasal administration provides a rapid onset of protection following a single dose for primary immunization in horses 11-months of age and older. Protection lasts a full 6-months, making it ideal for young horses, horses in training and horses that travel.

PRODIGY®

Prodigy equine herpesvirus vaccine is recommended for pregnant mares as an aid in prevention of EHV-1 induced abortions. In fact, in a severe EHV-1 challenge study, Prodigy-vaccinated mares demonstrated 89.5% protection against abortions associated with EHV-1-induced infections and a 96.1% reduction in virus shedding.

EQUIRAB®

The only rabies vaccine designed and labeled exclusively for the horse, EquiRab rabies vaccine delivers a long-lasting 14-month duration of immunity. Labeled for horses 4-months of age and older and requires just one dose for primary immunization. EquiRab was 97.7% reaction-free in field safety trials.

EQUI-NILE™

For vaccination of healthy horses 6 month of age or older; as an aid in reduction of disease, encephalitis, and viremia caused by West Nile Virus. Equi-Nile uses killed-virus chimera technology for efficacy and safety.

SUPER-TET®

Monovalent tetanus protection to give you flexibility and help protect horses from an unavoidable disease risk.

Merck Vaccine	Tetanus	WNV	Rabies	EEE/WEE	VEE	Influenza	EHV-1/EHV-4	EHV-1/Abortion and Respiratory
Prestige® V + WNV	●	●		●		●	●	
Prestige® V + VEE	●			●	●	●	●	
Prestige® V	●			●		●	●	
Prestige® II						●	●	
Encevac® TC-4 + VEE	●			●	●	●		
Encevac® TC-4	●			●		●		
Encevac® T + WNV	●	●		●				
Encevac® T + VEE	●			●	●			
Encevac® T	●			●				
Equi-Nile™		●						
Super-Tet®	●							
EquiRab™			●					
Prodigy®								●
Prestige®							●	
Flu Avert® I.N.						●		

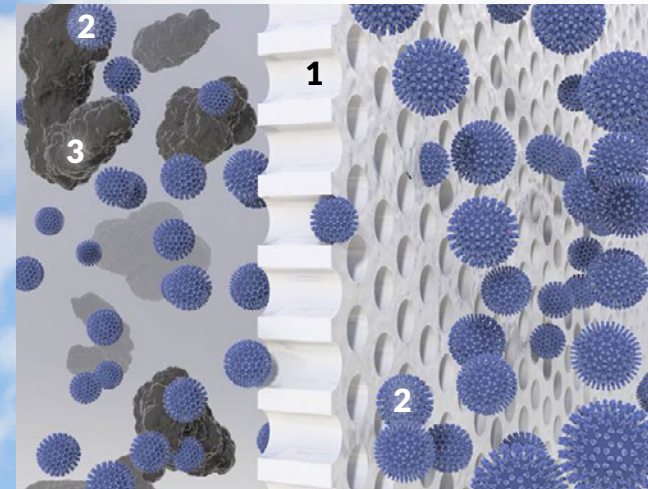
“The only thing a vaccine should provide is protection. That’s why Merck uses state-of-the-art technology in all its products to minimize risk of reactions and provide consistency in each and every dose.”

D. Craig Barnett, D.V.M.
Merck Animal Health

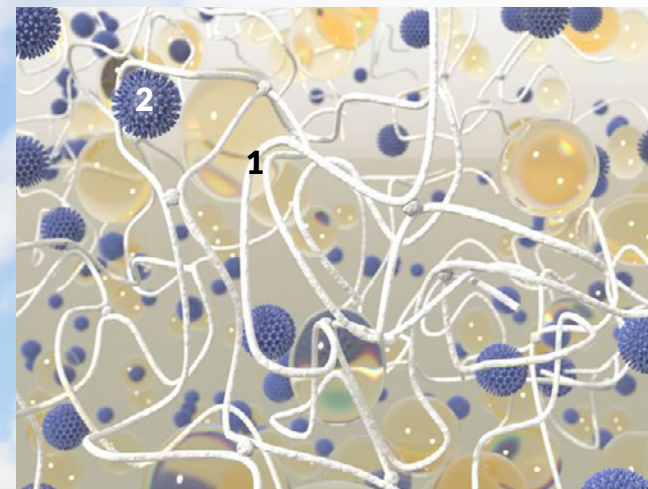


We deliver

INNOVATION BACKED BY SCIENCE YOU CAN TRUST



The microfilter (1) technology in the Merck APS helps purify the vaccine antigen (2) by filtering out unwanted extraneous proteins (3) that may be involved with injection site reactions.



Havlogen is a proprietary adjuvant that is comprised of a lipid-based, carbopol polymer cross-linking suspension (1) that, when combined with the antigen (2), enhances antigen presentation through the slow release and gradual absorption of the antigen.

Antigen Purification System™

A vaccine can never be too safe. Our technology, known as the Antigen Purification System (APS), has been utilized for more than 20 years to help remove extraneous protein and cellular debris. Using this method of filtration purification allows concentration of antigen; while minimizing the presence of extraneous protein and cellular debris that can contribute to vaccine associated adverse events. By purifying the vaccines with the APS, we reduce the debris that can cause undesirable injection site reactions in the horse.

Exclusive Havlogen® Adjuvant

Our killed vaccines are highly efficacious, in part, because of our exclusive Havlogen adjuvant. Havlogen is an emulsive, lipid-based, carbopol polymer cross-linking adjuvant. Havlogen stimulates the immune system to produce high, long-lasting levels of protection through the slow release and gradual absorption of antigen. Due to the composition of Havlogen, the vaccine maintains suspension without separation and settling in the vial — resulting in consistency and potency in every dose. By combining our APS system and Havlogen adjuvant, we are able to produce a line of killed virus vaccines that are highly efficacious and have an exceptional safety profile – shown to be 98% reaction-free in field safety trials.¹

¹Data on File. Merck Animal Health.

We stand behind our

VACCINES WITH CONTINUED SUPPORT & EDUCATION

Vaccine Guarantee

We stand behind our products. That's why we prove our commitment to the equine veterinarian, to the horse owner and, most of all, to the horse. Merck Animal Health will reimburse reasonable diagnostic and treatment costs, up to \$5,500, for any horse properly vaccinated by a licensed veterinarian with one of our equine vaccines that contracts influenza, rabies, tetanus, West Nile virus, eastern, western or Venezuelan encephalomyelitis, or respiratory disease caused by equine herpesvirus 1 and/or 4.

Biosurveillance Program

The Merck Animal Health Equine Respiratory Biosurveillance Program offers participating veterinarians the information and tools to sample horses with clinical signs of upper respiratory disease, so they can provide the most accurate and timely diagnosis possible to their clients. Since 2008, we have been conducting this ongoing, voluntary equine biosurveillance program to study the prevalence and epidemiology of relevant viral and bacterial respiratory pathogens. During an acute infectious upper respiratory disease outbreak, an accurate and timely diagnosis is critical to ensure proper treatment. It is also important in providing guidance and recommendations about vaccination, management, biosecurity and the potential need for quarantine.

Unwanted Horse Veterinary Relief Campaign

Since 2009, every Merck Animal Health purchase you make helps equine rescue and retirement organizations keep their vaccination schedules up to date. Every time you purchase a product, we donate a portion to this worthy cause. This partnership between Merck Animal Health and the American Association of Equine Practitioners (AAEP) has delivered more than 21,000 doses of vaccine to horses in need, protecting their health and making them more adoptable.

“We’re proud of our products, but we’re also proud to be a part of this industry – this group of people so passionate about horses. We show our love by making great products – but also by contributing to overall equine health. We try to protect every horse from disease.”

Earl Gaughan, D.V.M., Dipl. ACVS
Merck Animal Health



The Science of Healthier Animals

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