



TOWNSVILLE VETERINARY
CLINIC
AND
NORTH QUEENSLAND
SPECIALIST EQUINE SERVICE

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townsvillevetclinic.com.au
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caring for your pets, large
and small, and the services
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Veterinary Clinic



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What is a Vaccine ?

Vaccines contain weakened or inactivated particles of the disease that they are designed to protect against. These particles fast track and trigger a protective immune response from the body without the pet actually getting the disease or at least being affected to a lesser extent. This protective immune response has a "memory" so the body can recognize the disease if exposed. Most vaccines need to be boosted at some stage so the body continues to recognize the disease if exposed.

SOME OF THE VACCINES AVAILABLE

Live attenuated - contains whole bacteria or virus that has been weakened (attenuated). Live vaccines tend to stimulate a strong and lasting immune response and provides some of the best disease protection.

Killed/Inactivated - contains virus that has been killed or inactivated and cannot replicate. These vaccines are more suitable if the patient has a weaker immune system but doesn't provide as strong or as long lasting protection.

Sub unit Vaccines - do not contain a whole bacteria or virus but only specific antigens. They do not create as strong or long lasting a protection but may have adjuvants added which helps strengthen and lengthen the immune response. There is more likely to be a local reaction/ sore spot if an adjuvant has been added.

Toxoid vaccines - some bacteria produce toxins which is the harmful part of the disease process. An inactivated version of these toxins can be made and this triggers a strong immune response.

WHAT TYPE OF VACCINES DOES TVC HAVE ?

DOGS

C3 - LIVE ATTENUATED and contains Canine Distemper , Canine Hepatitis and Canine Parvovirus. The particular Parvo vaccine we use is registered to prevent viral excretion so is most useful in a parvo outbreak

C5 - LIVE ATTENUATED and contains C3 + Bordatella and Para influenza (both Canine Flu's)

Lepto Australis - **KILLED**

CATS

F3 - LIVE ATTENUATED and contains Feline Herpes virus, Calicivirus and rhinotracheitis

Feline Aids (Feline Immunodeficiency Virus) - **KILLED**

HORSES

Hendra - **SUBUNIT**

Tetanus - **TOXOID**

Strangles - **KILLED**

IN SUMMARY

Vaccines remain the safest way to protect against some of the more serious infectious diseases. No vaccine provides 100% protection but will significantly lessen the symptoms experienced. In the case of Hendra, we not only vaccinate to provide protection for our horses but to protect humans in contact as well.