

**PRESCRIPTION ANIMAL REMEDY**  
**KEEP OUT OF REACH OF CHILDREN**  
**FOR ANIMAL TREATMENT ONLY**

## Duramune Adult® C3

### Canine Distemper, Adenovirus & Parvovirus Live Vaccine

Live vaccine for the immunisation of healthy dogs, 6 weeks of age or older to protect against disease caused by canine distemper virus, canine adenovirus type 1, canine adenovirus type 2 and canine parvovirus.

Early protection of puppies with final vaccination at 10 weeks.

## Duramune Adult® C4

### Canine Distemper, Adenovirus, Parainfluenza & Parvovirus Live Vaccine

Live vaccine for the immunisation of healthy dogs, 6 weeks of age or older to protect against disease caused by canine distemper virus, canine adenovirus type 1, canine adenovirus type 2, canine parainfluenza virus and canine parvovirus.

Early protection of puppies with final vaccination at 10 weeks.

These vaccines can be used for the prevention of clinical disease, however they may fail to prevent infection or organism shedding.

#### Composition:

**Duramune Adult C3** is prepared from attenuated canine distemper virus ( $10^{2.9}$ TCID<sub>50</sub>), canine adenovirus type 2 ( $10^{4.8}$ TCID<sub>50</sub>) and canine parvovirus (CPV-2b strain  $10^{5.5}$ TCID<sub>50</sub>).

**Duramune Adult C4** is prepared from attenuated canine distemper virus ( $10^{2.9}$ TCID<sub>50</sub>), canine adenovirus type 2 ( $10^{4.8}$ TCID<sub>50</sub>), canine parvovirus (CPV-2b strain  $10^{5.5}$ TCID<sub>50</sub>) and canine parainfluenza type 2 ( $10^{4.55}$ TCID<sub>50</sub>).

#### DIRECTIONS FOR USE:

Vaccinate only healthy dogs with normal temperatures.

Dogs under treatment with immunosuppressive drugs should not be vaccinated.

The use of these vaccines in pregnant bitches is not recommended.

Do not use chemicals or disinfectants to sterilise the skin, needles or syringes.

A new sterile syringe and needle should always be used to administer this vaccine.

Reconstitute the freeze-dried Duramune Adult vaccines with sterile water for injection (1 mL) or Protech C2i vaccine.

Inject subcutaneously within 20 minutes of reconstitution.

#### Precautions and Side Effects:

Some animals may show transient post-vaccination pain, malaise and depression.

Allergic reactions such as anaphylaxis occur rarely and may require parenteral treatment with an antihistamine, a corticosteroid or adrenalin as appropriate.

Local site reactions after vaccination are rare but transient swelling, pain and subcutaneous thickening have been reported.

#### Recommended Vaccination Programs:

In any population of dogs a very small proportion may fail to adequately respond to vaccination due to concurrent illness, stress, immunosuppression, genetic factors or the presence of maternal antibodies. The epidemiology of each disease, the likely persistence of maternal antibodies and the dog's history and environment should be considered when deciding on a suitable vaccination program for a particular animal.

##### 1. Primary vaccination programs for pups less than 10 weeks of age.

Vaccination of pups with Duramune Adult C3 or C4 vaccine at 6, 8 and 10 weeks is highly recommended to maximise protection. Where pups present for their first vaccination at 8 weeks of age, a second vaccination at 10 weeks is recommended. Vaccination according to these programs provides 3 years protection against disease caused by canine distemper virus, canine adenovirus types 1 & 2 and canine parvovirus.

##### 2. Primary vaccination programs for pups and dogs 10 weeks of age or older.

One dose of Duramune Adult C3 or C4 vaccine.

In previously unvaccinated dogs of 10 weeks of age or older a single dose of Duramune Adult C3 or C4 vaccine is sufficient to confer 3 years protection against disease caused by canine distemper virus, canine adenovirus type 1, canine adenovirus type 2 and canine parvovirus. However, to ensure optimal cover it is highly recommended that a vaccination program be instituted at an earlier age as described above.

#### Suggested Primary Vaccination Programs:

Age at 1st Vaccination	Vaccination		
	6 wks	8 wks	10 wks
6 wks	X	X	X
8 wks		X	X
10 wks			X*

Continue vaccination program as suggested below under 'Revaccination'.

\* In cases where protection against canine parainfluenza is required at least 2 doses of parainfluenza vaccine are needed to provide 12 months protection.

**Protech C2i** may be used as a diluent for **Duramune Adult C3** or **C4** vaccine. Two doses 2-4 weeks apart will protect against *Leptospira interrogans* serovar Copenhageni and canine coronavirus.

**Protech BB** may be used as a diluent for **Duramune Adult C4** vaccine. **Protech Pi2** reconstituted with **Protech BB** may be used as a diluent for **Duramune Adult C3** vaccine. Alternatively, the **Virbac®** inactivated bordetella and parainfluenza vaccine may be used as a diluent for **Duramune Adult C3** vaccine.

#### 3. Revaccination.

**Duramune Adult C3** and **C4** vaccines have been demonstrated to provide 3 years protection against disease caused by canine distemper virus, canine adenovirus type 1, canine adenovirus type 2 and canine parvovirus. These vaccines may therefore be included in programs of revaccination intervals of 3 years following the primary vaccination program.

These vaccines may also be used for shorter revaccination intervals if desired. For instance, a common international practice is for dogs to receive their first revaccination at 12 months after the primary puppy vaccination and at 3 yearly intervals thereafter.

For protection against canine parainfluenza virus and *Bordetella bronchiseptica* annual revaccination with **Protech Bronchi-Shield® III** vaccine is recommended. Annual revaccination against canine coronavirus and *Leptospira interrogans* serovar Copenhageni is recommended using **Protech C2i** vaccine.

#### Suggested Vaccination Programs:

Age	Either	Or
6 wks	Duramune Adult C3 + Protech C2i	Duramune Adult C4 + Protech C2i
8 wks	Duramune Adult C3 + Protech C2i and Protech Bronchi-Shield III	Duramune Adult C4 + Protech C2i and Protech Bronchi-Shield I
10 wks	Duramune Adult C3	Duramune Adult C4
14 months*	Protech Bronchi-Shield III and Protech C2i	Protech Bronchi-Shield III* and Protech C2i
2 Years	Protech Bronchi-Shield III and Protech C2i	Protech Bronchi-Shield III and Protech C2i
3 years	Duramune Adult C3 + Protech C2i and Protech Bronchi-Shield III	Duramune Adult C4 + Protech C2i and Protech Bronchi-Shield I
Continue annual and triennial protocols as listed above		

\* Optional vaccination with **Duramune Adult C3** or **C4** vaccine at 14 months of age (12 months following puppy vaccination) and at 3 yearly intervals thereafter.

\* If **Duramune Adult C4** is used at 14 months, replace Protech Bronchi-Shield III with Protech Bronchi-Shield I.

These products have been assessed as providing at least 36 months protection against canine distemper virus, canine adenovirus and canine parvovirus.

Many factors influence the effectiveness of vaccination and the need for revaccination. The vaccination program for an individual animal should be determined within a veterinary-client-patient relationship, taking all these factors into account.

#### First Aid:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.

#### User Safety Information:

Take care to avoid self-injection. In the event of self-administration, seek medical attention if you are concerned, and show the package leaflet or the label to the medical practitioner.

#### Disposal:

Discarded syringes and needles should immediately be placed in a designated and appropriately labelled "sharps" container. Discarded vials should immediately be placed in a designated and appropriately labelled "biologicals" container.

#### Storage:

Store between 2-8°C. Do not freeze. Protect from light.

#### Packaging:

Both vaccines are supplied as 25 or 10 vials of freeze dried vaccine. Not all pack sizes may be marketed.

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