SUMMARY OF PRODUCT CHARACTERISTICS

1. NAME OF THE VETERINARY MEDICINAL PRODUCT

Canigen DHPPi lyophilisate for suspension for injection for dogs

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each 1 ml dose of reconstituted vaccine contains:
Active substances:

Canine distemper virus (CDV), strain Onderstepoort, Live	≥ $10^{4.0}$ $TCID_{50}$*
Canine adenovirus type 2 (CAV2), strain Manhattan LPV3, Live	≥ $10^{4.0}$ $TCID_{50}$*
Canine parvovirus (CPV), strain 154, Live	≥ $10^{7.0}$ $TCID_{50}$*
Canine parainfluenza virus (CPi), strain Cornell, Live	≥ $10^{5.5}$ $TCID_{50}$*

* $TCID_{50}$ = median Tissue Culture Infective Dose

Excipients:

Qualitative composition of excipients and other constituents
Sorbitol
Hydrolysed gelatin
Pancreatic digest of casein
Disodium phosphate dihydrate
Water for injections

Lyophilisate: off-white or cream-coloured pellet.

3. CLINICAL INFORMATION

3.1 Target species

Dogs.

3.2 Indications for use for each target species

For active immunisation of dogs to prevent mortality and clinical signs caused by canine distemper virus infection. To reduce clinical signs of infectious hepatitis and viral excretion due to canine adenovirus type 1 infection. To prevent mortality, clinical signs and viral excretion following canine parvovirus infection. To reduce clinical signs and viral excretion caused by canine parainfluenza virus infection and to reduce clinical signs of respiratory disease and viral excretion following adenovirus type 2 infection.

Onset of immunity:
Canine distemper virus, canine adenovirus and canine parvovirus vaccine components: 1 week.
Canine parainfluenza virus vaccine component: 4 weeks.

Duration of immunity:
Canine distemper virus, canine adenovirus and canine parvovirus vaccine components: 3 years.
The duration of immunity for the canine parainfluenza virus component has not been demonstrated, but an anamnestic response is produced in dogs given a revaccination one year after basic vaccination. Annual revaccination with the canine parainfluenza virus vaccine component is recommended.

3.3 Contraindications

None.

3.4 Special warnings

Vaccinate healthy animals only.

The vaccine may not be effective in dogs incubating the disease at the time of vaccination.

A good immune response is reliant on the reaction of an immunogenic agent and a fully competent immune system. Immunocompetence of the animal may be compromised by a variety of factors including poor health, nutritional status, genetic factors, concurrent drug therapy and stress.

The immunogenicity of the vaccine antigen will be reduced by poor storage or inappropriate administration.

The vaccine has been proved to be of benefit against virulent challenge in the presence of maternal antibody levels to CDV, CAV2, CPV and CPi that are likely to be encountered under field conditions.

Experience has shown that the maternal antibody status of pups within a litter varies greatly, and reliance should not be placed on serological examination of the bitch alone.

3.5 Special precautions for use

Special precautions for safe use in the target species:
Animals that have received a corresponding anti-serum or immunosuppressive drugs should not be vaccinated until an interval of at least 4 weeks has elapsed.

Vaccinated dogs may excrete the parvovirus vaccine strain at very low levels up to 8 days following vaccination. However, there is no evidence of any reversion to virulence of the vaccine strain and therefore no need to separate unvaccinated dogs from contact with recently vaccinated dogs.

Special precautions to be taken by the person administering the veterinary medicinal product to animals:
In the case of accidental self-injection, seek medical advice immediately and show the package leaflet or the label to the physician.

Special precautions for the protection of the environment:
Not applicable.

3.6 Adverse events

Dogs:

Very rare (<1 animal / 10,000 animals treated, including isolated reports):	Injection site swelling. [1] Elevated temperature. [2] Hypersensitivity reaction (e.g. lethargy, facial oedema, pruritus, vomiting or diarrhoea).[3]

[1] Small and transient (≤ 5 cm), which can occasionally be firm and painful on palpation. Any such swelling will either have disappeared or be clearly diminished by 14 days post-vaccination.
[2] Transient.
[3] Such reaction may evolve to a more severe condition (anaphylaxis), which may be life-threatening with additional signs like ataxia, dyspnoea, tremor and collapse. If such reactions occur, appropriate treatment is recommended.

Reporting adverse events is important. It allows continuous safety monitoring of a veterinary medicinal product. Reports should be sent, preferably via a veterinarian, to either the marketing authorisation holder or its local representative or the national competent authority via the national reporting system. See the package leaflet for respective contact details.

3.7 Use during pregnancy, lactation or lay

Pregnancy:
Can be used in pregnant bitches which have previously been vaccinated with the CDV (strain Onderstepoort), CAV2 (strain Manhattan LPV3), CPV (strain 154) and CPi (strain Cornell) antigens included in the Canigen vaccine range.

3.8 Interaction with other medicinal products and other forms of interaction

Safety and efficacy data (viral excretion) are available which demonstrate that this vaccine can be mixed and administered with the inactivated vaccines in the Canigen range against canine leptospirosis caused by all or some of the following serovars: *L. interrogans* serogroup Canicola serovar Canicola, *L. interrogans* serogroup Icterohaemorrhagiae serovar Copenhageni, *L. interrogans* serogroup Australis serovar Bratislava, and *L. kirschneri* serogroup Grippotyphosa serovar Bananal/Liangguang.

The product information of the relevant Canigen vaccines should be consulted before administration of the mixed product. When mixed with Canigen leptospirosis vaccines at annual revaccination, it has been established that there is no interference with the anamnestic response induced by the injectable canine parainfluenza virus component.

After administration with one of the leptospirosis vaccines, a mild and transient increase in body temperature (≤ 1 °C) may occur for a few days after vaccination, with some pups showing less activity and/or a reduced appetite. A small transient swelling (≤ 4 cm), which can occasionally be firm and painful on palpation, may be observed at

the site of injection. Any such swelling will either have disappeared or be clearly diminished by 14 days post-vaccination.

After mixed administration of an overdose of this vaccine and an overdose of the leptospirosis vaccines in the Canigen range, transient local reactions such as diffuse to firm swellings from 1 to 5 cm in diameter may be observed, usually these will persist no longer than 5 weeks, however some may take a little longer to completely disappear.

Safety data and efficacy data for the canine distemper virus, canine adenovirus and canine parvovirus components of this vaccine are available which demonstrate that this vaccine can be administered at the same time but not mixed with the inactivated vaccine in the Canigen range against *Bordetella bronchiseptica*.

When this vaccine is administered in association with the inactivated vaccine in the Canigen range against *Bordetella bronchiseptica*, the demonstrated antibody response data for the live canine parainfluenza component of this vaccine are the same as when this vaccine is administered alone.

When this vaccine is used with any of the other Canigen vaccines referred to above, the minimum vaccination age for each vaccine must be taken into account such that at the time of vaccination, the dogs are at or older than the oldest minimum vaccination age for the individual vaccines.

Safety and efficacy data are available which demonstrate that this vaccine can be administered on the same day with solvent or the vaccine in the Canigen range containing inactivated rabies virus strain Pasteur RIV. These can be used to reconstitute this freeze-dried vaccine.

No information is available on the compatibility of this vaccine when used with any other veterinary medicinal product except the products mentioned above. A decision to use this vaccine before or after any other veterinary medicinal product therefore needs to be made on a case by case basis.

3.9 Administration routes and dosage

Subcutaneous use.

Reconstitute the vaccine with 1 ml solvent or 1 ml (1 dose) of the inactivated vaccines listed in section 3.8.

Avoid contamination of vaccine with traces of chemical sterilising agents. Do not use chemicals such as disinfectant or spirit to disinfect the skin prior to inoculation.

Maternal antibodies can negatively interfere with the efficacy of a vaccine. Strict adherence to the vaccination programme is therefore recommended.

Vaccination programme:
Primary vaccinations:
A single injection should establish active immunity to canine distemper, infectious canine hepatitis and disease caused by canine parvovirus infection in dogs of 10 weeks of age or older.
Where earlier protection is required a first dose may be given to puppies from 6 weeks of age, but because maternally derived passive antibody can interfere with the response to vaccination a final dose at 10 weeks of age or older is generally recommended.
For an optimal response to the parainfluenza component, animals should be vaccinated twice, 2 – 4 weeks apart with the final vaccination at 10 weeks of age or more.
If the initial primary course dose of Canigen DHPPi is delayed to 10 weeks of age or older, a single dose of Canigen Pi at 12 weeks of age or older should suffice to establish immunity for this component.

Revaccination:
It is recommended that dogs be revaccinated with canine distemper virus, canine adenovirus and canine parvovirus every 3 years and against canine parainfluenza virus every year.

It was not possible to produce clinical signs of kennel cough by parainfluenza challenge in adult dogs and duration of immunity could not therefore be demonstrated, but an anamnestic response was seen in dogs given a booster one year after primary vaccination. Revaccination against parainfluenza is recommended prior to exposure to high risk environments (such as kennelling, showing or mixing with dogs of unknown vaccination history).

Reconstituted product: off-pink or pink coloured suspension.

3.10 Symptoms of overdose (and where applicable, emergency procedures and antidotes)

No clinical signs other than those indicated in section 3.6.
In some dogs the swelling may be more painful or may be observed for a longer period.

3.11 Special restrictions for use and special conditions for use, including restrictions on the use of antimicrobial and antiparasitic veterinary medicinal products in order to limit the risk of development of resistance

Not applicable.

3.12 Withdrawal periods

Not applicable.

4. IMMUNOLOGICAL INFORMATION

4.1 ATCvet code: QI07AD04

The vaccine contains attenuated antigens to stimulate active immunity against canine distemper, canine parvovirus disease, canine infectious hepatitis caused by canine adenovirus type 1 and respiratory disease caused by canine adenovirus type 2 and canine parainfluenza virus.

5. PHARMACEUTICAL PARTICULARS

5.1 Major incompatibilities

Do not mix with any other veterinary medicinal products except solvent supplied for use with the veterinary medicinal product or other Canigen dog vaccines mentioned in section 3.8.

5.2 Shelf life

Shelf life of the veterinary medicinal product as packaged for sale: 2 years.
Shelf life after reconstitution according to directions: 30 minutes.

5.3 Special precautions for storage

Store and transport refrigerated (2 °C – 8 °C).
Do not freeze.
Protect from light.

Avoid prolonged or repetitive exposure to high ambient temperatures following withdrawal from the refrigerator prior to use. In hot summer conditions vaccine potency can be severely reduced within a few hours.

5.4 Nature and composition of immediate packaging

Type I (Ph. Eur.) clear glass single dose vials with halogenobutyl rubber stopper, closed with a colour coded aluminium cap.

Pack sizes:
Cardboard or plastic boxes containing 10 or 50 vials.

Not all pack sizes may be marketed.

5.5 Special precautions for the disposal of unused veterinary medicinal product or waste materials derived from the use of such products

Medicines should not be disposed of via wastewater or household waste.

Use take-back schemes for the disposal of any unused veterinary medicinal product or waste materials derived thereof in accordance with local requirements and with any national collection systems applicable to the veterinary medicinal product concerned.

6. NAME OF THE MARKETING AUTHORISATION HOLDER

Intervet International B.V.

7. MARKETING AUTHORISATION NUMBER

Vm 06376/4107

8. DATE OF FIRST AUTHORISATION

20 October 2005

9. DATE OF THE LAST REVISION OF THE SUMMARY OF THE PRODUCT CHARACTERISTICS

December 2025

10. CLASSIFICATION OF VETERINARY MEDICINAL PRODUCT

Veterinary medicinal product subject to prescription.

Find more product information by searching for the 'Product Information Database' on www.gov.uk.

Gavin Hall
Approved: 16 March 2026