

Tables of Authorised Dog Vaccines in the UK

Table A

Product	MA number ¹	Min age ²	Onset of immunity ^{3,4}	Duration of immunity ⁴									Active ingredients	Quantity	Adjuvant			
				CDV ⁵	CAV ⁶	CPV ⁷	CPI ⁸	Lepto ⁹	CCoV ¹⁰	BB ¹¹	LI ¹⁶	B ¹⁷						
BRONCHI-SHIELD	Vm 4258/4011	8 weeks	5 days											1 yr		Bordetella bronchiseptica, live, strain 92B	2.1 x 10 ⁵ to 5.5 x 10 ⁸ CFU/dose of 1ml	None
Canileish Lyophilisate and Solvent for Suspension for Injection for Dogs	EU/2/11/121/001-009	6 months	4 weeks												1 yr	<i>Leishmania infantum</i> Excreted Secreted Proteins (ESP)	at least 100 µg	Purified extract of <i>Quillaja saponaria</i> (QA-21)
Canixin DHPPI/L	Vm 05653/4167	8 weeks	3 weeks for CDV and CPV 4 weeks for CAV-1 and CPIV 5 weeks for <i>L. canicola</i> 2 weeks for <i>L. icterohaemorrhagiae</i>	1 yr	1 yr	1 yr	1 yr	1 yr								Canine distemper virus (CDV) - Lederle strain Canine adenovirus type 2 (CAV-2) - Manhattan strain Canine parvovirus (CPV) - CPV780916 strain Canine parainfluenza virus (CPIV) - Manhattan strain Inactivated <i>Leptospira interrogans</i> serogroup canicola serovar canicola Inactivated <i>Leptospira interrogans</i> serogroup icterohaemorrhagiae serovar icterohaemorrhagiae	10 ^{3.15} -10 ^{4.9} CCID ₅₀ /dose of 1 ml 10 ^{4.0} - 10 ^{6.0} CCID ₅₀ /dose of 1 ml 10 ^{5.0} - 10 ^{6.8} CCID ₅₀ /dose of 1 ml 10 ^{5.0} - 10 ^{6.9} CCID ₅₀ /dose of 1 ml hamster 80% protective dose according to Ph.Eur hamster 80% protective dose according to Ph.Eur	None
Merilym 3, Suspension for Injection for Dogs	Vm 08327/4254	12 weeks	1 month											1 yr		Inactivated <i>Borrelia burgdorferi sensu lato</i> : <i>Borrelia garinii</i> <i>Borrelia afzelii</i> <i>Borrelia burgdorferi sensu stricto</i>	RP ≥ 1 RP ≥ 1 RP ≥ 1	AIOH ^D
Duramune DAP	Vm 00057/4355	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs										canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parvovirus, strain SAH	10 ^{2.5} to 10 ^{4.8} TCID ₅₀ /dose of 1ml 10 ^{4.8} to 10 ^{7.0} TCID ₅₀ /dose of 1ml 10 ^{4.7} to 10 ^{6.5} TCID ₅₀ /dose of 1ml	None
Duramune DAP + L	Vm 00057/4306	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs		1 yr								canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parvovirus, strain SAH Inactivated <i>Leptospira interrogans</i> bacteria (outer membrane coat). Serogroup canicola, serovar canicola Inactivated <i>Leptospira interrogans</i> bacteria (outer membrane coat). Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae	10 ^{2.5} to 10 ^{4.8} TCID ₅₀ /dose of 1ml 10 ^{4.8} to 10 ^{7.0} TCID ₅₀ /dose of 1ml 10 ^{4.7} to 10 ^{6.5} TCID ₅₀ /dose of 1ml hamster 80% protective dose according to Ph.Eur. hamster 80% protective dose according to Ph.Eur.	EMA ^A Neo ^B
Duramune DAPPI	Vm 00057/4299	6 weeks	2 weeks	at least 3 yrs	at least 3 yrs	type 2b at least 3 yrs type 2a at least 1 yr	At least 1 yr									canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parainfluenza virus, strain FDL canine parvovirus, strain SAH	10 ^{2.5} to 10 ^{4.8} TCID ₅₀ /dose of 1ml 10 ^{4.8} to 10 ^{7.0} TCID ₅₀ /dose of 1ml 10 ^{5.1} to 10 ^{7.4} TCID ₅₀ /dose of 1ml 10 ^{4.7} to 10 ^{6.5} TCID ₅₀ /dose of 1ml	None
Duramune DAPPI + L	Vm 00057/4312	6 weeks	2 weeks	at least 3 yrs	at least 3 yrs	type 2b at least 3 yrs type 2a at least 1 yr	at least 1 yr	at least 1 yr								canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parainfluenza virus, strain FDL canine parvovirus, strain SAH Inactivated <i>Leptospira interrogans</i> bacteria (outer membrane coat). Serogroup canicola, serovar canicola Inactivated <i>Leptospira interrogans</i> bacteria (outer membrane coat). Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae	≥10 ^{2.5} to ≤10 ^{4.8} TCID ₅₀ /dose of 1ml ≥10 ^{4.8} to ≤10 ^{7.0} TCID ₅₀ /dose of 1ml ≥10 ^{4.6} to ≤10 ^{7.4} TCID ₅₀ /dose of 1ml ≥10 ^{4.7} to ≤10 ^{6.5} TCID ₅₀ /dose of 1ml hamster 80% protective dose according to Ph.Eur. hamster 80% protective dose according to Ph.Eur.	EMA ^A Neo ^B
Duramune DAPPI + LC	Vm 42058/4050	6 weeks	2 weeks	at least 3 yrs	at least 3 yrs	type 2b at least 3 yrs type 2a at least 1 yr	at least 1 year	at least 1 yr	at least 1 yr							canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parvovirus, strain SAH canine parainfluenza virus, strain FDL Inactivated <i>Leptospira interrogans</i> bacteria (outer membrane coat). Serogroup canicola, serovar canicola Inactivated <i>Leptospira interrogans</i> bacteria (outer membrane coat). Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae inactivated canine coronavirus, strain TN449	10 ^{2.5} to 10 ^{4.8} TCID ₅₀ /dose of 1ml 10 ^{4.8} to 10 ^{7.0} TCID ₅₀ /dose of 1ml 10 ^{4.7} to 10 ^{6.5} TCID ₅₀ /dose of 1ml 10 ^{4.6} to 10 ^{7.4} TCID ₅₀ /dose of 1ml hamster 80% protective dose according to Ph.Eur. hamster 80% protective dose according to Ph.Eur. relative potency 1.0 to 2.0	EMA ^A Neo ^B

Product	MA number ¹	Min age ²	Onset of immunity ^{3,4}	Duration of immunity ⁴							Active ingredients	Quantity	Adjuvant
				CDV ⁵	CAV ⁶	CPV ⁷	CPI ⁸	Lepto ⁹	CCoV ¹⁰	BB ¹¹			
Duramune Pi	Vm 42058/4051	6 weeks	2 weeks				1 yr				canine parainfluenza virus, strain FDL	10 ^{5.1} to 10 ^{7.4} TCID ₅₀ /dose of 1ml	None
Duramune Pi + L	Vm 00057/4336	6 weeks	2 weeks				1 yr	1 yr			canine parainfluenza virus, strain FDL Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup canicola, serovar canicola Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae	10 ^{5.1} to 10 ^{7.4} TCID ₅₀ /dose of 1ml hamster 80% protective dose according to Ph.Eur. hamster 80% protective dose according to Ph.Eur.	EMA ^A Neo ^B
Duramune Pi + LC	Vm 42058/4052	6 weeks	2 weeks				1 yr	1 yr	1 yr		canine parainfluenza virus, strain FDL Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup canicola, serovar canicola Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae inactivated canine coronavirus, strain TN449	10 ^{5.1} to 10 ^{7.4} TCID ₅₀ /dose of 1ml hamster 80% protective dose according to Ph.Eur. hamster 80% protective dose according to Ph.Eur. relative potency 1.0 to 2.0	EMA ^A Neo ^B
Duramune Puppy DP + C	Vm 42058/4053	6 weeks	2 weeks	at least 3 yrs		type 2b at least 3 yrs type 2a at least 1 yr			at least 1 yr		canine distemper virus, strain Onderstepoort canine parvovirus, strain SAH canine coronavirus, strain TN449	≥10 ^{2.5} to ≤10 ^{4.8} TCID ₅₀ /dose of 1ml ≥10 ^{4.7} to ≤10 ^{6.5} TCID ₅₀ /dose of 1ml relative potency 1.0 to 2.0	EMA ^A Neo ^B
Galaxy DAP + L Lyophilisate and solvent for suspension for injection for dogs	Vm 00057/4302	6 weeks	2 weeks	at least 3 yrs	at least 3 yrs	at least 3 yrs		at least 1 yr			live attenuated canine distemper virus, strain Onderstepoort live attenuated canine adenovirus type 2, strain V197 live attenuated canine parvovirus, strain SAH Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup canicola, serovar canicola Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae	≥10 ^{2.5} to ≤10 ^{4.8} TCID ₅₀ /dose of 1ml ≥10 ^{4.8} to ≤10 ⁷ TCID ₅₀ /dose of 1ml ≥10 ^{4.7} to ≤10 ^{6.5} TCID ₅₀ /dose of 1ml Minimum 40 Hamster PD80 Minimum 40 Hamster PD80	EMA ^A Neo ^B
Galaxy Pi + L, lyophilisate and solvent for suspension for injection	Vm 00057/4302	6 weeks	2 weeks				1 yr	1 yr			live attenuated canine parainfluenza virus, strain FDL Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup canicola, serovar canicola Inactivated Leptospira interrogans bacteria (outer membrane coat). Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae	≥10 ^{5.1} to ≤10 ^{7.4} TCID ₅₀ /dose of 1ml Minimum 40 Hamster PD80 Minimum 40 Hamster PD80	EMA ^A Neo ^B
Canigen DHP	Vm 06376/4052	6 weeks	1 week	3 yrs	3 yrs	3 yrs					canine distemper virus, strain Onderstepoort canine adenovirus 2, strain Manhattan LPV3 canine parvovirus, strain 154	not less than 10 ^{4.0} TCID ₅₀ /single dose of the vaccine vial not less than 10 ^{4.0} TCID ₅₀ /single dose of the vaccine vial not less than 10 ^{7.0} TCID ₅₀ /single dose of the vaccine vial	None

Product	MA number ¹	Min age ²	Onset of immunity ^{3,4}	Duration of immunity ⁴							Active ingredients	Quantity	Adjuvant
				CDV ⁵	CAV ⁶	CPV ⁷	CPI ⁸	Lepto ⁹	CCoV ¹⁰	BB ¹¹			
Canigen DHPPi	Vm 01708/4519	6 weeks	distemper 1 week adenovirus 1 week parvovirus 1 week parainfluenza 4 weeks	at least 3 yrs	at least 3 yrs	at least 3 yrs	not been demonstrated				canine distemper virus canine adenovirus type 2 canine parvovirus canine parainfluenza virus	≥10 ^{4.0} TCID ₅₀ /single dose of the vaccine vial ≥10 ^{4.0} TCID ₅₀ /single dose of the vaccine vial ≥10 ^{7.0} TCID ₅₀ /single dose of the vaccine vial ≥10 ^{5.5} TCID ₅₀ /single dose of the vaccine vial	None
Canigen KC	Vm 01708/4492	3 weeks	Bordetella 72 hrs parainfluenza 3 weeks				1 yr			1 yr	live Bordetella bronchiseptica bacteria strain B-C2 live Canine parainfluenza virus strain Cornell	≥10 ^{8.0} and ≤10 ^{9.7} cfu/dose of 0.4ml ≥10 ^{3.0} and ≤10 ^{5.8} TCID ₅₀ /dose of 0.4ml	None
Canigen Lepto 2	Vm 01708/4493	8 weeks	not stated SPC					at least 1 yr			Inactivated Leptospira interrogans serogroup Canicola; strain Ca-12-000 Inactivated Leptospira interrogans serogroup Icterohaemorrhagiae; strain 820K	≥40 PD ₈₀ /dose of 1ml ≥40 PD ₈₀ /dose of 1ml	None
Canigen Parvo-C	Vm 01708/4539	4 weeks	1 week			at least 3 yrs					canine parvovirus	not less than 10 ⁷ TCID ₅₀ /dose of 1ml	None
Canigen Pi	Vm 01708/4491	8 weeks	4 weeks				not been demonstrated				live attenuated canine parainfluenza virus (Cpi) strain Cornell	≥5.5 log ₁₀ and ≤7.3 log ₁₀ TCID ₅₀ /dose of 1ml	None
Nobivac DHP	Vm 01708/4513	6 weeks	1 week	3 yrs	3 yrs	3 yrs					canine distemper virus, strain Onderstepoort canine adenovirus 2, strain Manhattan LPV3 canine parvovirus, strain 154	not less than 10 ^{4.0} TCID ₅₀ /dose of 1ml reconstituted vaccine not less than 10 ^{4.0} TCID ₅₀ /dose of 1ml reconstituted vaccine not less than 10 ^{7.0} TCID ₅₀ /dose of 1ml reconstituted vaccine	None
Nobivac DHPPi	Vm 01708/4359	6 weeks	distemper 1 week adenovirus 1 week parvovirus 1 week parainfluenza 4 weeks	at least 3 yrs	at least 3 yrs	at least 3 yrs	not been demonstrated				canine distemper virus canine adenovirus type 2 canine parvovirus canine parainfluenza virus	≥10 ^{4.0} TCID ₅₀ /single dose of the vaccine vial ≥10 ^{4.0} TCID ₅₀ /single dose of the vaccine vial ≥10 ^{7.0} TCID ₅₀ /single dose of the vaccine vial ≥10 ^{5.5} TCID ₅₀ /single dose of the vaccine vial	None
Nobivac KC	Vm 06376/4026	3 weeks	Bordetella 72 hours parainfluenza 3 weeks				1 yr			1 yr	live Bordetella bronchiseptica bacteria strain B-C2 live canine parainfluenza virus strain Cornell	≥10 ^{8.0} and ≤10 ^{9.7} cfu/dose of 0.4ml reconstituted vaccine ≥10 ^{3.0} and ≤10 ^{5.8} TCID ₅₀ /dose of 0.4ml reconstituted vaccine	None
Nobivac L4 Suspension for Injection for Dogs	EU/2/12/143/001-005	6 weeks	3 weeks				1 yr				<i>Leptospira interrogans serogroup Canicola serovar Portland-vere (strain Ca-12-000)</i> <i>L. interrogans serogroup Icterohaemorrhagiae serovar Copenhageni (strain Ic-02-001)</i> <i>L. interrogans serogroup Australis serovar Bratislava (strain As-05-073)</i> <i>L. kirschneri serogroup Grippotyphosa serovar Dadas (strain Gr-01-005)</i>	3550-7100 U (Antigenic mass ELISA units) 290-1000 U 500-1700 U 650-1300 U	None
Nobivac Lepto 2	Vm 01708/4360	6 weeks	not stated in SPC					at least 1 yr			Inactivated Leptospira interrogans serogroup Canicola; strain Ca-12-000 Inactivated Leptospira interrogans serogroup Icterohaemorrhagiae; strain 820K	≥40 PD ₈₀ /dose of 1ml ≥40 PD ₈₀ /dose of 1ml	None
Nobivac Parvo-C	Vm 01708/4361	4 weeks	1 week			at least 3 yrs					canine parvovirus	≥10 ^{7.0} TCID ₅₀ /dose of 1ml	None
Nobivac Pi	Vm 06736/4034	8 weeks	4 weeks				not been demonstrated				live attenuated canine parainfluenza virus (Cpi) strain Cornell	≥5.5 log ₁₀ and ≤7.3 log ₁₀ TCID ₅₀ /dose of 1ml	None
EURICAN DHPPi	Vm 08327/4126	8 weeks	2 weeks	1 yr	1 yr	1 yr	1 yr				attenuated canine distemper virus attenuated canine adenovirus (CAV2) attenuated canine parvovirus attenuated canine parainfluenza type 2 virus	at least 10 ^{4.0} CCID ₅₀ /dose of 1ml at least 10 ^{2.5} CCID ₅₀ /dose of 1ml at least 10 ^{4.9} CCID ₅₀ /dose of 1ml at least 10 ^{4.7} CCID ₅₀ /dose of 1ml	None
EURICAN L	Vm 08327/4148	8 weeks	14 days					1 yr			Inactivated Leptospira canicola Inactivated Leptospira icterohaemorrhagiae	≥ 80% protection according to Ph. Eur. hamster potency test ≥ 80% protection according to Ph. Eur. hamster potency test	None
EURICAN P	Vm 08327/4151	8 weeks	7 days			2 yrs					attenuated canine parvovirus	≥ 10 ^{4.9} CCID ₅₀ /dose of 1ml	None
VANGUARD 7	Vm 00057/4167	7 weeks	2 weeks	at least 1 yr	at least 1 yr	at least 1 yr	not been demonstrated	at least 1 yr			live attenuated canine distemper virus, strain N-CDV live attenuated canine adenovirus Type 2, strain Manhattan	minimum titre: 10 ^{3.0} CCID ₅₀ /dose of 1ml minimum titre: 10 ^{3.2} CCID ₅₀ /dose of 1ml	None

Product	MA number ¹	Min age ²	Onset of immunity ^{3,4}	Duration of immunity ⁴							Active ingredients	Quantity	Adjuvant
				CDV ⁵	CAV ⁶	CPV ⁷	CPI ⁸	Lepto ⁹	CCoV ¹⁰	BB ¹¹			
							ted				live attenuated canine parainfluenza virus, strain NL-CPI-5 live attenuated canine parvovirus, strain NL-35-D, low passage Inactivated Leptospira canicola Inactivated Leptospira icterohaemorrhagiae	minimum titre: 10 ^{6.0} CCID ₅₀ /dose of 1ml minimum titre: 10 ^{7.0} CCID ₅₀ /dose of 1ml at least 40 hamster protective doses/dose of 1ml at least 40 hamster protective doses/dose of 1ml	
VANGUARD CPV	Vm 00057/4169	6 weeks	2 weeks			at least 1 yr					live attenuated canine parvovirus, strain NL-35-D, low passage	minimum titre: 10 ^{7.0} CCID ₅₀ /dose of 1ml	None
VANGUARD CPV-L	Vm 00057/4170	7 weeks	2 weeks			at least 1 yr		at least 1 yr			live attenuated canine parvovirus, strain NL-35-D, low passage Inactivated Leptospira canicola Inactivated Leptospira icterohaemorrhagiae	minimum titre: 10 ^{7.0} CCID ₅₀ /dose of 1ml at least 40 hamster protective doses/dose of 1ml at least 40 hamster protective doses/dose of 1ml	None
Vanguard Lepto ci	Vm 00057/4168	7 weeks	2 weeks					not stated in SPC			Inactivated Leptospira canicola Inactivated Leptospira icterohaemorrhagiae	at least 40 hamster protective doses/dose of 1ml at least 40 hamster protective doses/dose of 1ml	None
VIRBAGEN L	Vm 05653/4047	8 weeks	serological response by 3 weeks					1 yr			Leptospira canicola Leptospira icterohaemorrhagiae	titre before inactivation 833.10 ⁶ bacteria/dose of 1ml titre before inactivation 833.10 ⁶ bacteria/dose of 1ml	None
VIRBAGEN OMEGA 5 MU for dogs and cats VIRBAGEN OMEGA 10 MU for dogs and cats	EU/2/01/030/001 EU/2/01/030/002 EU/2/01/030/003 EU/2/01/030/004	1 month	not stated in SPC								Recombinant Omega interferon of feline origin	5 million units/single dose vial 10 million units/single dose vial	None

Table B

Product	MA number ¹	Min age ²	Onset of immunity ^{3,4}	Duration of immunity ⁴			Active ingredients ¹⁷	Quantity	Adjuvant
				Rabies ¹²	Tetanus ¹³	Herpes ¹⁴			
Canigen Rabies	Vm 01708/4521	4 weeks	2 to 3 weeks	3 yrs			Inactivated Rabies virus strain Pasteur RIV	≥2 IU/dose of 1ml	Al ^C
Nobivac Rabies	Vm 01708/4325	4 weeks	2 to 3 weeks	3 yrs			inactivated Rabies virus strain Pasteur RIV	≥2 IU/dose of 1ml	Al ^C
Tetanus Antitoxin Behring	Vm 01708/4506	not stated in the SPC	approximately 2 days		2 to 3 weeks		protein from horses with antibodies against tetanus	max 170 mg/ml 1000IU/ml	None
RABISIN	Vm 08327/4150	3 months	1 month	2 years			Rabies virus glycoproteins	≥ 1 IU/dose of 1ml	AIOH ^D
Vanguard Rabies	Vm 00057/4284	3 months	7 to 14 days	3 years			Rabies Virus (Strain Flury LEP) (Inactivated, concentrated and purified rabies virus antigen)	not less than 5.7 IU/dose of 1ml	AIOH ^D
Erican Herpes 205 powder and solvent for emulsion for injection	EU/2/01/029/001-003	not stated in SPC	not stated in SPC				Canine herpesvirus (F205 strain) antigens	0.3 to 1.75 µg of gB glycoproteins/dose of 1ml	Oil ^F
Veterinary Allergenic Extracts for the Treatment of Atopic Dermatitis in Dogs	37026/4000	not stated in SPC	not stated in SPC				Birch homologous group, Cat epithelia, Chenopod-Amaranth-Polygonales homologous group, Dermatophagoides homologous group, English Plantain, Fungi group, Insect group, Maples homologous group, Pooid homologous group, Ragweed/Mugwort homologous group, Red Clover, Rosales homologous group, Willow-poplar homologous group	Target potency per dose: 20,000 PNU/mL of each individual extract	None

¹ Marketing Authorisation number.

² Minimum age.

³ Onset of immunity following completion of the basic vaccination scheme unless otherwise indicated.

⁴ This table must be read in conjunction with the summary of product characteristics and product literature.

⁵ Canine distemper virus.

⁶ Canine adenovirus. See summary of product characteristics for details of type 1 and 2.

⁷ Canine parvovirus.

⁸ Canine parainfluenza virus.

⁹ *Leptospira interrogans* (Serogroup canicola, serovar canicola. Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae).

¹⁰ Canine coronavirus.

¹¹ *Bordetella bronchiseptica*.

¹² Rabies virus.

¹³ *Clostridium tetani*.

¹⁴ Canine herpesvirus.

¹⁶ *Leishmania infantum*

¹⁷ *Borrelia* spp. (*B. burgdorferi sensu stricto*, *B. garinii* and *B. afzelii*).

¹⁷ Composition of the Prescription Product (personalized label) is performed by the trained pharmacist and in accordance with the prescription for the individual patient. Dilutions of the extracts are calculated based on the concentration of the individual extracts. Sterile aqueous diluents are used to prepare dilutions.

^A Ethylene/Maleicanhydride.

^B Neocryl XK-62.

^C Aluminium phosphate.

^D Aluminium hydroxide.

^E Saponin.

^F Light paraffin oil.