

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				
BRONCHI-SHIELD	Vm 01596/4332	8 weeks	5 days								1 yr	Bordetella bronchiseptica, live, strain 92B	2.1 x 10 ⁸ to 5.5 x 10 ⁸ CFU/dose of 1ml	None
CynoVAX DAPPi + L	Vm 01596/4341	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs	unknown	1 yr				canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parainfluenza virus, strain FDL 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 ^{7.5} 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
CynoVAX PPI + L	Vm 01596/3142	6 weeks	2 weeks			1 yr	unknown	1 yr				canine parainfluenza virus, Strain FDL canine parvovirus, strain SAH Inactivated Leptospira interrogans outer membrane coat. Serogroup canicola, serovar canicola Inactivated Leptospira interrogans outer membrane coat. Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae	10 ^{4.8} 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 DAP	Vm 01596/4365	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 01596/4356	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 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 ^{7.0} 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 DAP + LC	Vm 01596/4357	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs		1 yr	1 yr			canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 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 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 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 DAPPi	Vm 01596/4330	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs	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 01596/4316	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs	unknown	1 yr				canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parainfluenza virus, strain FDL 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 ^{7.0} 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 01596/4282	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs	unknown	1 yr	1 yr			canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parvovirus, strain SAH 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 ^{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

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				CDV ⁵	CAV ⁶	CPV ⁷	CPI ⁸	Lepto ⁹	CCoV ¹⁰	BB ¹¹			
Duramune DAPPi + Lepto	Vm 01596/4328	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs	1 yr	1 yr			canine distemper virus, strain Onderstepoort canine adenovirus type 2, strain V197 canine parainfluenza virus, strain FDL 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 ^{7.0} 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 hamster 80% protective dose according to Ph.Eur. hamster 80% protective dose according to Ph.Eur.	EMA ^A Neo ^B
Duramune Pi	Vm 01596/4349	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 01596/4350	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 01596/4351	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 01596/4317	6 weeks	2 weeks	1 yr		1 yr			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 01596/4379	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs		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 DAPPi + L, lyophilisate and solvent for suspension for injection	Vm 01596/4325	6 weeks	2 weeks	3 yrs	3 yrs	3 yrs	1 yr	1 yr			live attenuated canine distemper virus, strain Onderstepoort live attenuated canine adenovirus type 2, strain V197 live attenuated canine parvovirus, strain SAH 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 ^{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 ≥10 ^{5.1} to ≤10 ^{7.4} 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 01596/4366	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
Galaxy Puppy DP	Vm 01596/4331	6 weeks	2 weeks	3 yrs		3 yrs					canine distemper virus, strain Onderstepoort canine parvovirus, strain SAH	≥10 ^{2.5} to ≤10 ^{4.8} TCID ₅₀ /dose of 1ml ≥10 ^{4.7} to ≤10 ^{6.5} TCID ₅₀ /dose of 1ml	None
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	3 yrs	3 yrs	3 yrs	unknown				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 ^{3.0} 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					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			3 yrs					canine parvovirus	not less than 10 ⁷ TCID ₅₀ /dose of 1ml	None
Canigen Pi	Vm 01708/4491	8 weeks	4 weeks				unknown				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	3 yrs	3 yrs	3 yrs	unknown				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 ^{3.0} 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 Lepto 2	Vm 01708/4360	6 weeks	not stated in SPC					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			3 yrs					canine parvovirus	≥10 ^{7.0} TCID ₅₀ /dose of 1ml	None
Nobivac Pi	Vm 06736/4034	8 weeks	4 weeks				unknown				live attenuated canine parainfluenza virus (Cpi) strain Cornell	≥5.5 log ₁₀ and ≤7.3 log ₁₀ TCID ₅₀ /dose of 1ml	None
Nobivac Solvent	Vm 01708/4368												
EURICAN DHHPI	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	1 yr	1 yr	1 yr	unknown	1 yr			live attenuated canine distemper virus, strain N-CDV live attenuated canine adenovirus Type 2, strain Manhattan 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 ^{3.0} CCID ₅₀ /dose of 1ml minimum titre: 10 ^{3.2} CCID ₅₀ /dose of 1ml 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	None
VANGUARD CPV	Vm 00057/4169	6 weeks	2 weeks			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			1 yr		1 yr			live attenuated canine parvovirus, strain NL-35-D, low passage Inactivated Leptospira canicola	minimum titre: 10 ^{7.0} CCID ₅₀ /dose of 1ml at least 40 hamster protective doses/dose	None

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				CDV ⁵	CAV ⁶	CPV ⁷	CPI ⁸	Lepto ⁹	CCoV ¹⁰	BB ¹¹			
											Inactivated Leptospira icterohaemorrhagiae	of 1 ml at least 40 hamster protective doses/dose of 1 ml	
Vanguard L	Vm 00057/4291	7 weeks	2 weeks					1 yr			Inactivated Leptospira canicola Inactivated Leptospira icterohaemorrhagiae	at least 40 hamster protective doses/dose of 1 ml at least 40 hamster protective doses/dose of 1 ml	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 1 ml at least 40 hamster protective doses/dose of 1 ml	None
Vanguard Lepto for dogs	Vm 00057/4290	7 weeks	2 weeks					1 yr			Inactivated Leptospira canicola Inactivated Leptospira icterohaemorrhagiae	at least 40 hamster protective doses/dose of 1 ml at least 40 hamster protective doses/dose of 1 ml	None
Procyon Dog DA ₂ PPI/Cv	Vm 00201/4228	6 weeks	parvovirus 3 weeks after the 1st dose distemper 3 weeks parainfluenza 3 weeks (serological response only) coronavirus 3 weeks adenovirus 4 weeks	4 yrs	4 yrs	4 yrs	1 yr		1 yr		live attenuated canine distemper virus (Distemperoid strain) live attenuated canine adenovirus-2 (Ditchfield strain) live attenuated canine parvovirus (SAH 2b strain) live attenuated canine parainfluenza virus (Philips Roxane strain) inactivated feline corona virus (strain FEC-SAH)	4.5 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 3.9 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 5.2 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 4.8 to 7.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial ≥ 6.3 log ₂ SN units/dose of 1ml	AIOH ^D
Procyon Dog DA ₂ PPI/CvL	Vm 00201/4169	6 weeks	parvovirus 3 weeks after the 1st dose distemper 3 weeks coronavirus 3 weeks adenovirus 4 weeks leptospira 4 weeks parainfluenza 3 weeks (serological response only)	4 yrs	4 yrs	4 yrs	1 yr	1 yr	1 yr		live attenuated canine distemper virus (Distemperoid strain) live attenuated canine adenovirus-2 (Ditchfield strain) live attenuated canine parvovirus (SAH 2b strain) live attenuated canine parainfluenza virus (Philips Roxane strain) inactivated feline corona virus (strain FEC-SAH) inactivated Leptospira interrogans serovar icterohaemorrhagiae (strain 115) inactivated Leptospira interrogans serovar canicola (strain 117)	4.5 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 3.9 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 5.2 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 4.8 to 7.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial ≥ 6.3 log ₂ SN units/dose of 1ml ≥ 40 Hamster PD ₈₀ /dose of 1ml ≥ 40 Hamster PD ₈₀ /dose of 1ml	AIOH ^D
Procyon Dog DA ₂ PPI/L	Vm 00201/4199	6 weeks	parvovirus 3 weeks after the 1st dose distemper 3 weeks adenovirus 4 weeks leptospira 4 weeks parainfluenza 3 weeks (serological response only)	4 yrs	4 yrs	4 yrs	1 yr	1 yr			live attenuated canine distemper virus (Distemperoid strain) live attenuated canine adenovirus-2 (Ditchfield strain) live attenuated canine parvovirus (SAH 2b strain) live attenuated canine parainfluenza virus (Philips Roxane strain) inactivated Leptospira interrogans serovar icterohaemorrhagiae (strain 115) inactivated Leptospira interrogans serovar canicola (strain 117)	4.5 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 3.9 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 5.2 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial 4.8 to 7.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial ≥ 40 Hamster PD ₈₀ /dose of 1ml ≥ 40 Hamster PD ₈₀ /dose of 1ml	AIOH ^D
Procyon Dog Lepto	Vm 00201/4223	6 weeks	4 weeks					1 yr			inactivated Leptospira interrogans serovar icterohaemorrhagiae (strain 115) inactivated Leptospira interrogans serovar canicola (strain 117)	≥ 40 Hamster PD ₈₀ /dose of 1ml ≥ 40 Hamster PD ₈₀ /dose of 1ml	AIOH ^D
Procyon Dog Parvo	Vm 00201/4233	6 weeks	3 weeks after the first vaccination			4 yrs					live attenuated canine parvovirus (SAH 2b strain)	5.2 to 6.0 log ₁₀ TCID ₅₀ /single dose of vaccine vial	AIOH ^D
Procyon Dog Pi/Cv	Vm 00201/4229	6 weeks	parainfluenza 3 weeks (serological				1 yr		1 yr		live attenuated canine parainfluenza virus (Philips Roxane strain)	4.8 to 6.1 log ₁₀ TCID ₅₀ /single dose of vaccine vial	AIOH ^D

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				CDV ⁵	CAV ⁶	CPV ⁷	CPI ⁸	Lepto ⁹	CCoV ¹⁰	BB ¹¹					
			response only)												
			coronavirus 3 weeks									inactivated feline corona virus (strain FEC-SAH)	≥ 6.3 log ₂ SN units/dose of 1ml		
Procyon Dog Pi/CvL	Vm 00201/4202	6 weeks	parainfluenza 3 weeks (serological response only) coronavirus 3 weeks leptospira 4 weeks				1 yr	1 yr	1 yr			live attenuated canine parainfluenza virus (Philips Roxane strain)	4.8 to 6.1 log ₁₀ TCID ₅₀ /single dose of vaccine vial	AIOH ^D	
												inactivated feline corona virus (strain FEC-SAH)	≥ 6.3 log ₂ SN units/dose of 1ml		
												inactivated Leptospira interrogans serovar icterohaemorrhagiae (strain 115)	≥ 40 Hamster PD ₈₀ /dose of 1ml		
												inactivated Leptospira interrogans serovar canicola (strain 117)	≥ 40 Hamster PD ₈₀ /dose of 1ml		
Procyon Dog Pi/L	Vm 00201/4201	6 weeks	parainfluenza 3 weeks (serological response only) leptospira 4 weeks				1 yr	1 yr				live attenuated canine parainfluenza virus (Philips Roxane strain)	4.8 to 6.1 log ₁₀ TCID ₅₀ /single dose of vaccine vial	AIOH ^D	
												inactivated Leptospira interrogans serovar icterohaemorrhagiae (strain 115)	≥ 40 Hamster PD ₈₀ /dose of 1ml		
												inactivated Leptospira interrogans serovar canicola (strain 117)	≥ 40 Hamster PD ₈₀ /dose of 1ml		
Quantum Dog 7	Vm 00201/4216	7 weeks	2 weeks	1 yr	1 yr	1 yr	unknown	1 yr				Live attenuated canine distemper virus, strain Snyder Hill Live attenuated canine adenovirus Type 2, strain Manhattan 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 ^{3.0} CCID ₅₀ /dose of 1ml minimum titre: 10 ^{3.2} CCID ₅₀ /dose of 1ml 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	None	
Quantum Dog CPV	Vm 00201/4217	6 weeks	2 weeks			1 yr						Live attenuated canine parvovirus, strain NL-35-D, low passage	minimum titre: 10 ^{7.0} CCID ₅₀ /dose of 1ml	None	
Quantum Dog CPV-L	Vm 00201/4218	7 weeks	2 weeks			1 yr		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	
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	EU/2/01/030/001 EU/2/01/030/002	1 month	not stated in SPC									Recombinant Omega interferon of feline origin	5 million units/single dose vial	None	
VIRBAGEN OMEGA 10 MU for dogs and cats	EU/2/01/030/003 EU/2/01/030/004												10 million units/single dose vial		

Table B

Product	MA number ¹	Min age ²	Onset of immunity ^{3,4}	Duration of immunity ⁴				Active ingredients	Quantity	Adjuvant
				Rabies ¹²	Tetanus ¹³	Herpes ¹⁴	Babesia ¹⁵			
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 Pirolyophilisate and solvent for suspension for injection for dogs	EU/2/04/046/001-003	6 months	3 weeks				6 months	soluble parasite antigen (SPA) from Babesia canis and Babesia rossi cultures	606 (301-911) total antigenic mass units of SPA/dose of 1ml	SAP ^E
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
Tetanus Toxoid Concentrated	Vm 01708/4510	3 months	not stated in the SPC		Not stated in the SPC			purified, concentrated tetanus toxoid	≥ 150 IU/dose of 1ml	AlOH ^D
RABISIN	Vm 08327/4150	3 months	1 month	2 years				Rabies virus glycoproteins	≥ 1 IU/dose of 1ml	AlOH ^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	AlOH ^D
Eurican 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

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.

¹⁵ Babesia canis.

^A Ethylene/Maleicanhydride.

^B Neocryl XK-62.

^C Aluminium phosphate.

^D Aluminium hydroxide.

^E Saponin.

^F Light paraffin oil.