

Tables of Authorised Dog Vaccines in the UK

Table A

Product	MA number <sup>1</sup>	Min age <sup>2</sup>	Onset of immunity <sup>3,4</sup>	Duration of immunity <sup>4</sup>								Active ingredients	Quantity	Adjuvant		
				CDV <sup>5</sup>	CAV <sup>6</sup>	CPV <sup>7</sup>	CPI <sup>8</sup>	Lepto <sup>9</sup>	CCoV <sup>10</sup>	BB <sup>11</sup>	LI <sup>16</sup>				B <sup>17</sup>	
BRONCHI-SHIELD	Vm 4258/4011	8 weeks	5 days								1 yr			<i>Bordetella bronchiseptica</i> , live, strain 92B	2.1 x 10 <sup>6</sup> to 5.5 x 10 <sup>8</sup> 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	QA-21 <sup>H</sup>
Canixin DHPPI/L	Vm 05653/4167	8 weeks	3 weeks for CDV, CAV-2 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 <sup>3.15</sup> - 10 <sup>4.9</sup> CCID <sub>50</sub> /dose of 1 ml 10 <sup>4.0</sup> - 10 <sup>6.0</sup> CCID <sub>50</sub> /dose of 1 ml 10 <sup>5.0</sup> - 10 <sup>6.8</sup> CCID <sub>50</sub> /dose of 1 ml 10 <sup>5.0</sup> - 10 <sup>6.9</sup> CCID <sub>50</sub> /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	AIOHD <sup>D</sup>
Canixin L Suspension for Injection for Dogs	05653/4208	8 weeks	-5 weeks -2 weeks					1 yr						Inactivated <i>Leptospira interrogans</i> - serogroup Canicola serovar Canicola, strain 601903 - serogroup Icterohaemorrhagiae serovar Icterohaemorrhagiae, strain 601895	4350 - 7330 U 4250 - 6910 U	None
Canixin Pi/L Lyophilisate and Suspension for Suspension for Injection for Dogs	05653/4209	8 weeks	-4 weeks -5 weeks -2 weeks				1 yr	1 yr						Canine parainfluenza virus (CPIV), Manhattan strain Inactivated <i>Leptospira interrogans</i> - serogroup Canicola serovar Canicola, strain 601903 - serogroup Icterohaemorrhagiae serovar Icterohaemorrhagiae, strain 601895	10 <sup>4.8</sup> - 10 <sup>6.9</sup> CCID <sub>50</sub> 4350 - 7330 U 4250 - 6910 U	None
Eurican Lmulti Suspension for Injection	08327/4264	7 weeks	2 weeks					1 yr						Inactivated <i>Leptospira interrogans</i> serogroup and serovar - Canicola serovar Canicola, strain 16070 - Icterohaemorrhagiae serovar Icterohaemorrhagiae, strain 16069 - Grippotyphosa strain Grippo Mal 1540	To Ph. Eur.447	None
Letifend	EU/2/16/195/001-008	6 months	4 weeks									1 yr		Recombinant Protein Q from <i>Leishmania infantum</i>	MON-1 ≥ 36.7 ELISA Units (EU)	None
NEOLEISH Solution for Nasal Spray for Dogs	EU/2/22/290	6 months	56 days									6 mo		Bacterial DNA plasmid containing LACK gene from <i>Leishmania infantum</i>	212.5-250 µg	None

Product	MA number <sup>1</sup>	Min age <sup>2</sup>	Onset of immunity <sup>3,4</sup>	Duration of immunity <sup>4</sup>							Active ingredients	Quantity	Adjuvant		
				CDV <sup>5</sup>	CAV <sup>6</sup>	CPV <sup>7</sup>	CPI <sup>8</sup>	Lepto <sup>9</sup>	CCoV <sup>10</sup>	BB <sup>11</sup>					
Canigen Bb Suspension for Injection for Dogs	01708/5063	6 weeks	2 weeks								7 months		<i>Bordetella bronchiseptica</i> bacteria strain Bb7 92932	88 – 399 U/ dose of 1 ml	dl-α-t ac <sup>6</sup>
Canigen Bb Suspension for Injection in Pre-filled Syringe for Dogs	01708/5064	6 weeks	2 weeks								7 months		<i>Bordetella bronchiseptica</i> bacteria strain Bb7 92932	88 – 399 U/ dose of 1 ml	dl-α-t ac <sup>6</sup>
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 <sup>4.0</sup> TCID <sub>50</sub> /single dose of the vaccine vial not less than 10 <sup>4.0</sup> TCID <sub>50</sub> /single dose of the vaccine vial not less than 10 <sup>7.0</sup> TCID <sub>50</sub> /single dose of the vaccine vial	None
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 <sup>4.0</sup> TCID <sub>50</sub> /single dose of the vaccine vial ≥10 <sup>4.0</sup> TCID <sub>50</sub> /single dose of the vaccine vial ≥10 <sup>7.0</sup> TCID <sub>50</sub> /single dose of the vaccine vial ≥10 <sup>5.5</sup> TCID <sub>50</sub> /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 <i>Bordetella bronchiseptica</i> bacteria strain B-C2 Live Canine parainfluenza virus strain Cornell	$\geq 10^{8.0}$ and $\leq 10^{9.7}$ CFU/dose of 0.4 ml $\geq 10^{3.0}$ and $\leq 10^{5.8}$ TCID <sub>50</sub> /dose of 0.4 ml	None
Canigen Lepto 2	Vm 01708/4493	6 weeks	not stated SPC				at least 1 yr			Inactivated <i>Leptospira interrogans</i> serogroup Canicola; strain Ca-12-000 Inactivated <i>Leptospira interrogans</i> serogroup Icterohaemorrhagiae; strain 820K	$\geq 40$ PD <sub>80</sub> /dose of 1 ml $\geq 40$ PD <sub>80</sub> /dose of 1 ml	None
Canigen L4	EU/2/15/183/001	6 weeks	3 weeks				1 yr			<i>Leptospira interrogans</i> serogroup Canicola; strain Ca-12-000 <i>L. interrogans</i> serogroup Icterohaemorrhagiae; strain 820K <i>L. interrogans</i> serogroup Australis serovar Bratislava (strain As-05-073) <i>L. kirschneri</i> serogroup Grippotyphosa serovar Dadas (strain Gr-01-005)	3550-7100 U 290-1000 U 500-1700 U 650-1300 U	None
Canigen Parvo-C	Vm 01708/4539	4 weeks	1 week				at least 3 yrs			Canine parvovirus	not less than $10^7$ TCID <sub>50</sub> /dose of 1 ml	None
Canigen Pi	Vm 01708/4491	8 weeks	4 weeks				not been demonst rated			Live attenuated canine parainfluenza virus (Cpi) strain Cornell	$\geq 5.5$ log <sub>10</sub> and $\leq 7.3$ log <sub>10</sub> TCID <sub>50</sub> /dose of 1 ml	None
Canigen DP Lyophilisate and Solvent for Suspension for Injection for Dogs (Puppies)	01708/5047	4 weeks	Distemper 7 days	8 wks			8 wks			Live attenuated canine distemper virus strain Onderstepoort	$10^{5.1} - 10^{6.5}$ TCID <sub>50</sub> /dose of 1 ml reconstituted vaccine	None
			Parvovirus 3 days							Live recombinant canine parvovirus strain 630a	$10^{5.1} - 10^{6.7}$ TCID <sub>50</sub> /dose of 1 ml reconstituted vaccine	
Nobivac DHP	Vm 01708/4513	6 weeks	1 week	3 yrs	3 yrs	3 yrs				Canine distemper virus, strain Onderstepoort	not less than $10^{4.0}$ TCID <sub>50</sub> /dose of 1 ml reconstituted vaccine	None
										Canine adenovirus 2, strain Manhattan LPV3	not less than $10^{4.0}$ TCID <sub>50</sub> /dose of 1 ml reconstituted vaccine	
										Canine parvovirus, strain 154	not less than $10^{7.0}$ TCID <sub>50</sub> /dose of 1 ml reconstituted vaccine	
Nobivac DHPi	Vm 01708/4359	6 weeks	distemper 1 week	at least 3 yrs	at least 3 yrs	at least 3 yrs	not been demonst rated			Canine distemper virus	$\geq 10^{4.0}$ TCID <sub>50</sub> /single dose of the vaccine vial	None
			adenovirus 1 week						Canine adenovirus type 2	$\geq 10^{4.0}$ TCID <sub>50</sub> /single dose of the vaccine vial		
			parvovirus 1 week						Canine parvovirus	$\geq 10^{7.0}$ TCID <sub>50</sub> /single dose of the vaccine vial		
			parainfluenza 4 weeks						Canine parainfluenza virus	$\geq 10^{5.5}$ TCID <sub>50</sub> /single dose of the vaccine vial		
Nobivac DP PLUS Lyophilisate and Solvent for Suspension for Injection for Puppies	01708/5047	4 weeks	Distemper 7 days	8 wks			8 wks			Live attenuated canine distemper virus strain Onderstepoort	$10^{5.1} - 10^{6.5}$ TCID <sub>50</sub> /dose of 1 ml reconstituted vaccine	None
			Parvovirus 3 days						Live recombinant canine parvovirus strain 630a	$10^{5.1} - 10^{6.7}$ TCID <sub>50</sub> /dose of 1 ml reconstituted vaccine		
Nobivac KC	Vm 06376/4026	3 weeks	Bordetella 72 hours parainfluenza 3 weeks				1 yr		1 yr	Live <i>Bordetella bronchiseptica</i> bacteria strain B-C2 Live canine parainfluenza virus strain Cornell	$\geq 10^{8.0}$ and $\leq 10^{9.7}$ cfu/dose of 0.4 ml reconstituted vaccine $\geq 10^{3.0}$ and $\leq 10^{5.8}$ TCID <sub>50</sub> /dose of 0.4 ml 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</i> serogroup Canicola serovar Portland-vere (strain Ca-12-000) <i>L. interrogans</i> serogroup Icterohaemorrhagiae serovar Copenhageni (strain Ic-02-001) <i>L. interrogans</i> serogroup Australis serovar Bratislava (strain As-05-073) <i>L. kirschneri</i> serogroup Grippotyphosa serovar Dadas (strain Gr-01-005)	3550-7100 U (Antigenic mass ELISA units) 290-1000 U 500-1700 U 650-1300 U	None
Nobivac LoVo L4 Suspension for Injection for Dogs	EU/2/23/304/001-002	6 weeks	3 weeks				1 yr			<i>Leptospira interrogans</i> , serogroup Canicola, serovar Portland-vere, strain Ca-12-000, Inactivated <i>L. interrogans</i> , serogroup Icterohaemorrhagiae, serovar Copenhageni, strain Ic-02-001, Inactivated <i>L. interrogans</i> , serogroup Australis, serovar Bratislava, strain As-05-073, Inactivated <i>L. kirschneri</i> , serogroup Grippotyphosa, serovar Dadas, strain GR-01-005, Inactivated	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 <i>Leptospira interrogans</i> serogroup Canicola; strain Ca-12-000	$\geq 40$ PD <sub>80</sub> /dose of 1ml	None
										Inactivated <i>Leptospira interrogans</i> serogroup Icterohaemorrhagiae; strain 820K	$\geq 40$ PD <sub>80</sub> /dose of 1 ml	

Nobivac Parvo-C	Vm 01708/4361	4 weeks	1 week			at least 3 yrs				Canine parvovirus	$\geq 10^{7.0}$ TCID <sub>50</sub> /dose of 1 ml	None
Nobivac Pi	Vm 06736/4034	8 weeks	4 weeks				not been demonstrated			Live attenuated canine parainfluenza virus (Cpi) strain Cornell	$\geq 5.5 \log_{10}$ and $\leq 7.3 \log_{10}$ TCID <sub>50</sub> /dose of 1 ml	None
Nobivac Respira Bb Suspension for Injection for Dogs	01708/4642	6 weeks	2 weeks						7 months	<i>Bordetella bronchiseptica</i> fimbriae strain Bb7 92932	88 – 399 U/ dose of 1 ml	dl- $\alpha$ -t ac <sup>6</sup>
Nobivac Respira Bb Suspension for Injection in Pre-filled Syringe for Dogs	01708/4641	6 weeks	2 weeks						7 months	<i>Bordetella bronchiseptica</i> fimbriae strain Bb7 92932	88 – 399 U/ dose of 1 ml	dl- $\alpha$ -t ac <sup>6</sup>
EURICAN DHPPi	Vm 08327/4126	7 weeks	2 weeks	at least 1 yr	at least 1 yr	at least 1 yr	at least 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 <sub>50</sub> /dose of 1 ml at least $10^{2.5}$ CCID <sub>50</sub> /dose of 1 ml at least $10^{4.9}$ CCID <sub>50</sub> /dose of 1 ml at least $10^{4.7}$ CCID <sub>50</sub> /dose of 1 ml	None
EURICAN L	Vm 08327/4148	8 weeks	14 days					1 yr		Inactivated <i>Leptospira canicola</i> Inactivated <i>Leptospira icterohaemorrhagiae</i>	$\geq 80\%$ protection according to Ph. Eur. hamster potency test $\geq 80\%$ protection according to Ph. Eur. hamster potency test	None
Eurican L4 suspension for injection	Vm 04491/5063	7 weeks	2 weeks					at least 1 yr		Inactivated <i>Leptospira interrogans</i> serogroup and serovar Canicola strain 16070 Inactivated <i>Leptospira interrogans</i> serogroup and serovar Icterohaemorrhagiae strain 16069 Inactivated <i>Leptospira interrogans</i> serogroup and serovar Grippotyphosa strain Grippo Mal 1540 Inactivated <i>Leptospira interrogans</i> serogroup Australis and serovar Bratislava strain 16785.	$\geq 80\%$ protection in Hamsters	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 Live attenuated canine parainfluenza virus, strain NL-CPI-5 Live attenuated canine parvovirus, strain NL-35-D, low passage Inactivated <i>Leptospira canicola</i> Inactivated <i>Leptospira icterohaemorrhagiae</i>	minimum titre: $10^{3.0}$ CCID <sub>50</sub> /dose of 1 ml minimum titre: $10^{3.2}$ CCID <sub>50</sub> /dose of 1 ml minimum titre: $10^{6.0}$ CCID <sub>50</sub> /dose of 1 ml minimum titre: $10^{7.0}$ CCID <sub>50</sub> /dose of 1 ml at least 40 hamster protective doses/dose of 1 ml at least 40 hamster protective doses/dose of 1 ml	None
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 <sub>50</sub> /dose of 1 ml	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 <i>Leptospira canicola</i> Inactivated <i>Leptospira icterohaemorrhagiae</i>	minimum titre: $10^{7.0}$ CCID <sub>50</sub> /dose of 1 ml 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					at least 1 yr		Inactivated <i>Leptospira canicola</i> Inactivated <i>Leptospira icterohaemorrhagiae</i>	at least 40 hamster protective doses/dose of 1 ml at least 40 hamster protective doses/dose of 1 ml	None
Versican Plus DHPPi	EMEA/V/C/003679	6 weeks	3 weeks	at least 3 yr	at least 3 yr	at least 3 yr	at least 1 yr			Canine distemper virus, strain CDV Bio 11/A Canine adenovirus type 2, strain CAV-2 Bio 13 Canine parvovirus type 2b, strain CPV-2b Bio 12 Canine parainfluenza type 2 virus, strain CPIV-2 Bio 15	$10^{3.1} - 10^{5.1}$ TCID <sub>50</sub> $10^{3.6} - 10^{5.3}$ TCID <sub>50</sub> $10^{4.3} - 10^{6.6}$ TCID <sub>50</sub> $10^{3.1} - 10^{5.1}$ TCID <sub>50</sub>	None
Versican Plus DHPPi/L4  (for Versican Plus DHPPi/L4R which contains a rabies component see Table B below)	EMEA/V/C/003678	6 weeks	3 weeks CDV 3 weeks CAV 3 weeks CPV 3 weeks CPi 4 weeks lepto	at least 3 yr	at least 3 yr	at least 3 yr	At least 1 yr	at least 1 yr		Canine distemper virus, strain CDV Bio 11/A Canine adenovirus type 2, strain CAV-2 Bio 13 Canine parvovirus type 2b, strain CPV-2b Bio 12 Canine parainfluenza type 2 virus, strain CPIV-2 Bio 15 <i>Leptospira interrogans</i> serogroup Australis serovar Bratislava, strain MSLB 1088, <i>L. interrogans</i> serogroup Icterohaemorrhagiae serovar Icterohaemorrhagiae, strain MSLB 1089, <i>L. interrogans</i> serogroup Canicola serovar Canicola, strain MSLB 1090, <i>L. kirschneri</i> serogroup Grippotyphosa serovar Grippotyphosa, strain MSLB 1091.	$10^{3.1} - 10^{5.1}$ TCID <sub>50</sub> $10^{3.6} - 10^{5.3}$ TCID <sub>50</sub> $10^{4.3} - 10^{6.6}$ TCID <sub>50</sub> $10^{3.1} - 10^{5.1}$ TCID <sub>50</sub> ALR** titre $\geq 1:51$ ALR** titre $\geq 1:51$ ALR** titre $\geq 1:40$ ALR** titre $\geq 1:51$	AIOH <sup>D</sup>
Versican Plus L4	EMEA/V/C/003680	6 weeks	4 weeks					at least 1 yr		<i>Leptospira interrogans</i> serogroup Australis serovar Bratislava, strain MSLB 1088, <i>L. interrogans</i> serogroup Icterohaemorrhagiae serovar	ALR** titre $\geq 1:51$ ALR** titre $\geq 1:51$	AIOH <sup>D</sup>

											Icterohaemorrhagiae, strain MSLB 1089, <i>L. interrogans</i> serogroup Canicola serovar Canicola, strain MSLB 1090, <i>L. kirschneri</i> serogroup Grippotyphosa serovar Grippotyphosa, strain MSLB 1091.	ALR** titre $\geq$ 1:40 ALR** titre $\geq$ 1:51	
Versican Plus Pi	EMA/V/C/003681	6 weeks	3 weeks				at least 1 yr				Canine parainfluenza type 2 virus, strain CPIV-2 Bio 15	$10^{3.1} - 10^{5.1}$ TCID <sub>50</sub>	None
Versican Plus Pi/L4 (for Versican Plus Pi/L4R which contains a rabies component see Table B below)	EMA/V/C/003683	6 weeks	3 weeks CPi 4 weeks lepto				at least 1 yr	at least 1 yr			Canine parainfluenza type 2 virus, strain CPIV-2 Bio 15 Leptospira interrogans serogroup Australis serovar Bratislava, strain MSLB 1088, <i>L. interrogans</i> serogroup Icterohaemorrhagiae serovar Icterohaemorrhagiae, strain MSLB 1089, <i>L. interrogans</i> serogroup Canicola serovar Canicola, strain MSLB 1090, <i>L. kirschneri</i> serogroup Grippotyphosa serovar Grippotyphosa, strain MSLB 1091	$10^{3.1} - 10^{5.1}$ TCID <sub>50</sub> ALR** titre $\geq$ 1:51 ALR** titre $\geq$ 1:51 ALR** titre $\geq$ 1:40 ALR** titre $\geq$ 1:51	AIOH <sup>D</sup>
Versican Plus Bb Oral lyophilisate and solvent for oral suspension for dogs	Vm 42058/4209	8 weeks	3 weeks						1 yr		Live attenuated <i>Bordetella bronchiseptica</i> , strain 92B	$4 \times 10^8 - 5.5 \times 10^9$ CFU/dose	None
Versican Plus BbPi IN nasal drops, lyophilisate and solvent for suspension for dogs	42058/4210	3 weeks	3 days for BB 7 days for CPI				1 yr		1 yr		Live attenuated <i>Bordetella bronchiseptica</i> strain MSLB 3096 Live attenuated canine parainfluenza Type 2 virus, strain CPIV-2 Bio 15	$10^{8.0} - 10^{9.8}$ CFU $10^{3.5} - 10^{5.8}$ CCID <sub>50</sub>	
VIRBAGEN L	Vm 05653/4047	8 weeks	serological response by 3 weeks						1 yr		<i>Leptospira canicola</i> <i>Leptospira icterohaemorrhagiae</i>	titre before inactivation 833.10 <sup>6</sup> bacteria/dose of 1 ml titre before inactivation 833.10 <sup>6</sup> bacteria/dose of 1 ml	None
VIRBAGEN OMEGA 5 MU for dogs and cats	EU/2/01/030/001 EU/2/01/030/002 EU/2/01/030/003	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/2/01/030/004											10 million units/single dose vial	
Versican Plus DHP Lyophilisate and Solvent for Suspension for Injection for Dogs	42058/4192	6 weeks	3 weeks	at least 3 yrs	at least 3 yrs	at least 3 yrs					Canine distemper virus, strain CDV Bio 11/A Canine adenovirus Type 2, strain CAV-2 Bio 13 Canine adenovirus Type 2b, strain CPV-2b Bio 12/B	$10^{3.1} - 10^{5.1}$ CCID <sub>50</sub> $10^{3.6} - 10^{5.3}$ CCID <sub>50</sub> $10^{4.3} - 10^{6.6}$ CCID <sub>50</sub>	None
Eurican DAP Lyophilisate and Solvent for Suspension for Injection	08327/4276	7 weeks	2 weeks	at least 1 yr	at least 1 yr	at least 1 yr					Attenuated canine distemper virus, strain BA5 Attenuated canine adenovirus type 2, strain DK13 Attenuated canine parvovirus type 2, strain CAG2	$10^{4.0} - 10^{6.0}$ CCID <sub>50</sub> $10^{2.5} - 10^{6.3}$ CCID <sub>50</sub> $10^{4.9} - 10^{7.1}$ CCID <sub>50</sub>	None
Eurican DAPPI Lyophilisate and Solvent for Suspension for Injection	08327/4277	7 weeks	2 weeks	at least 1 yr	at least 1 yr	at least 1 yr	at least 1 yr				Attenuated canine distemper virus, strain BA5 Attenuated canine adenovirus type 2, strain DK13 Attenuated canine parvovirus type 2, strain CAG2 Attenuated canine parainfluenza virus type 2, strain CGF 2004/75	$10^{4.0} - 10^{6.0}$ CCID <sub>50</sub> $10^{2.5} - 10^{6.3}$ CCID <sub>50</sub> $10^{4.9} - 10^{7.1}$ CCID <sub>50</sub> $10^{4.7} - 10^{7.1}$ CCID <sub>50</sub>	None
Versican Plus P Lyophilisate and Solvent for Suspension for Injection for Dogs	42058/4193	6 weeks	3 weeks				at least 3 yrs				Canine parvovirus Type 2b, strain CPV-2b Bio 12/B	$10^{4.3} - 10^{6.6}$ CCID <sub>50</sub>	None
Canixin DHPPI Lyophilisate and Solvent for Suspension for Injection for Dogs	05653/4201	8 weeks	- 3 weeks for CDV, CAV2 and CPV - 4 weeks for CPIV	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	$10^{3.0} - 10^{4.9}$ CCID <sub>50</sub> $10^{4.0} - 10^{6.0}$ CCID <sub>50</sub> $10^{5.0} - 10^{6.8}$ CCID <sub>50</sub> $10^{5.0} - 10^{6.9}$ CCID <sub>50</sub>	None
Cytopoint 10 mg/ml Solution for Injection	EU/2/17/205/001-002	Not stated in the SPC	8 hours								Lokivetmab – Anti-IL-31 Clone 15 Master Cell Stock	10 mg/ml single dose vial	None
Cytopoint 20 mg/ml Solution for Injection	EU/2/17/205/003-004	Not stated in the SPC	8 hours								Lokivetmab – Anti-IL-31 Clone 15 Master Cell Stock	20 mg/ml single dose vial	None
Cytopoint 30 mg/ml Solution for Injection	EU/2/17/205/005-006	Not stated in the SPC	8 hours								Lokivetmab – Anti-IL-31 Clone 15 Master Cell Stock	30 mg/ml single dose vial	None
Cytopoint 40 mg/ml Solution for Injection	EU/2/17/205/007-008	Not stated in the SPC	8 hours								Lokivetmab – Anti-IL-31 Clone 15 Master Cell Stock	40 mg/ml single dose vial	None

**Table B**

Product	MA number <sup>1</sup>	Min age <sup>2</sup>	Onset of immunity <sup>3,4</sup>	Duration of immunity <sup>4</sup>			Active ingredients <sup>18</sup>	Quantity	Adjuvant
				Rabies <sup>12</sup>	Tetanus <sup>13</sup>	Herpes <sup>14</sup>			
Canigen Rabies	Vm 01708/4521	4 weeks	2 to 3 weeks	3 yrs			Inactivated Rabies virus strain Pasteur RIV	≥2 IU/dose of 1 ml	Al <sup>C</sup>
Nobivac Rabies	Vm 01708/4325	4 weeks	2 to 3 weeks	3 yrs			Inactivated Rabies virus strain Pasteur RIV	≥2 IU/dose of 1 ml	Al <sup>C</sup>
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 1000 IU/ml	None
RABISIN	Vm 08327/4150	12 weeks	1 month	3 yrs			Rabies virus glycoproteins	≥ 1 IU/dose of 1ml	AIOH <sup>D</sup>
Versican Plus DHPPI/L4R	EMA/V/C/002759	8-9 weeks	3 weeks CDV 3 weeks CAV 3 weeks CPV 3 weeks CPI 4 weeks lept 2 weeks rabies	at least 1 yr  (see Versican Plus DHPPI/L4 for DOI of other components)			Canine distemper virus, strain CDV Bio 11/A Canine adenovirus type 2, strain CAV-2 Bio 13 Canine parvovirus type 2b, strain CPV-2b Bio 12 Canine parainfluenza type 2 virus, strain CPIV-2 Bio 15 <i>Leptospira interrogans</i> serogroup Australis serovar Bratislava, strain MSLB 1088, <i>L. interrogans</i> serogroup Icterohaemorrhagiae serovar Icterohaemorrhagiae, strain MSLB 1089, <i>L. interrogans</i> serogroup Canicola serovar Canicola, strain MSLB 1090, <i>L. kirschneri</i> serogroup Grippotyphosa serovar Grippotyphosa, strain MSLB 1091. Inactivated rabies virus, strain SAD Vnukovo-32	10 <sup>3.1</sup> TCID <sub>50</sub> - 10 <sup>5.1</sup> TCID <sub>50</sub> 10 <sup>3.6</sup> TCID <sub>50</sub> - 10 <sup>5.3</sup> TCID <sub>50</sub> 10 <sup>4.3</sup> TCID <sub>50</sub> - 10 <sup>6.6</sup> TCID <sub>50</sub> 10 <sup>3.1</sup> TCID <sub>50</sub> - 10 <sup>5.1</sup> TCID <sub>50</sub> ALR** titre ≥ 1:51  ALR** titre ≥ 1:51  ALR** titre ≥ 1:40  ALR** titre ≥ 1:51 ≥ 2.0 IU***	AIOH <sup>D</sup>
Versican Plus Pi/L4R	EMA/V/C/003682	8-9 weeks	3 weeks CPI 4 weeks lept 2 weeks rabies	at least 1 yr  (see Versican Plus Pi/L4 for DOI of other components)			Canine parainfluenza type 2 virus, strain CPIV-2 Bio 15 <i>Leptospira interrogans</i> serogroup Australis serovar Bratislava, strain MSLB 1088, <i>L. interrogans</i> serogroup Icterohaemorrhagiae serovar Icterohaemorrhagiae, strain MSLB 1089, <i>L. interrogans</i> serogroup Canicola serovar Canicola, strain MSLB 1090, <i>L. kirschneri</i> serogroup Grippotyphosa serovar Grippotyphosa, strain MSLB 1091. Inactivated rabies virus, strain SAD Vnukovo-32	10 <sup>3.1</sup> TCID <sub>50</sub> - 10 <sup>5.1</sup> TCID <sub>50</sub> ALR** titre ≥ 1:51  ALR** titre ≥ 1:51  ALR** titre ≥ 1:40  ALR** titre ≥ 1:51 ≥ 2.0 IU***	AIOH <sup>D</sup>
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 1 ml	Oil <sup>F</sup>
Versiguard Rabies	42058/4194	12 weeks	2-3 weeks	at least 3 yrs			Inactivated rabies virus, strain SAD Vnukovo-32	>2.0	AIOH <sup>D</sup>

<sup>1</sup> Marketing Authorisation number.

<sup>2</sup> Minimum age.

<sup>3</sup> Onset of immunity following completion of the basic vaccination scheme unless otherwise indicated.

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

<sup>5</sup> Canine distemper virus.

<sup>6</sup> Canine adenovirus. See summary of product characteristics for details of type 1 and 2.

<sup>7</sup> Canine parvovirus.

<sup>8</sup> Canine parainfluenza virus.

<sup>9</sup> *Leptospira interrogans* (Serogroup canicola, serovar canicola. Serogroup icterohaemorrhagiae, serovar icterohaemorrhagiae).

<sup>10</sup> Canine coronavirus.

<sup>11</sup> *Bordetella bronchiseptica*.

<sup>12</sup> Rabies virus.

<sup>13</sup> Clostridium tetani.

<sup>14</sup> Canine herpesvirus.

<sup>16</sup> *Leishmania infantum*

<sup>17</sup> *Borrelia* spp. (*B. burgdorferi sensu stricto*, *B. garinii* and *B. afzelii*).

<sup>18</sup> 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.

<sup>A</sup> Ethylene/Maleicanhydride.

<sup>B</sup> Neocryl XK-62.

<sup>C</sup> Aluminium phosphate.

<sup>D</sup> Aluminium hydroxide.

<sup>E</sup> Saponin.

<sup>F</sup> Light paraffin oil.

<sup>G</sup> dl-α-tocopheryl acetate

<sup>H</sup> Purified extract of *Quillaja saponaria* (QA-21)