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LICENSED BIOTECH PRODUCTS

October 6, 1999

Category I-A. Bacterins/Vaccine, Killed Virus

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
1105.R0	Bovine Rhinotracheitis Vaccine, Killed Virus	314	SyntroVet, Inc.	11/16/92	
1555.R0	Feline Leukemia Vaccine, Subunit	107	Malinckrodt Veterinary, Inc.	10/25/90	
1891.R4	Pseudorabies Vaccine, Modified Live Virus	286	Intervet, Inc.	08/16/99	
1895.R0	Pseudorabies Vaccine, Killed Virus	314	SyntroVet, Inc.	06/11/90	
1895.R1	Pseudorabies Vaccine, Killed Virus	314	SyntroVet, Inc.	08/03/93	
2126.R0	Borrelia Burgdorferi Bacterial Extract	298	Merial, Inc	02/22/96	
2648.08	Escherichia Coli Bacterin	195	Solvay Animal Health, Inc.	10/05/83	X
26R8.44	Escherichia Coli Bacterin	195	Solvay Animal Health, Inc.	12/23/82	X
26R8.56	Escherichia Coli Bacterin	189	Pfizer, Inc.	07/16/84	
7850.00	Escherichia Coli Bacterin-Toxoid	189 298	Pfizer, Inc. Merial, Inc.	03/25/83 03/25/97	X
7890.00	Clostridium Perfringens Type C-Escherichia Coli Bacterin-Toxoid	165A	Schering-Plough AH Corp.	06/08/85	

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Category I-A. Bacterins/Vaccine, Killed Virus (Continued)

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
7890.00	Clostridium Perfringens Type C-Escherichia Coli Bacterin-Toxoid	189	Pfizer, Inc.	07/09/86	
		213	Heska Corporation	05/11/84	
		281	Ambico, Inc.	10/21/86	X
			To		
		286	Intervet, Inc.	01/12/99	
		303	Grand Laboratories, Inc.	04/28/95	
7900.R0	Escherichia Coli Bacterin	189	Pfizer, Inc.	06/29/84	
A026.R0	Borrelia Burgdorferi Antigen Extract	287	Connaught Labs, Inc.	02/22/96	
A555.R0	Feline Leukemia Virus Antigen	317	Aquila BioPharm., Inc.	10/25/90	
A555.R1	Feline Leukemia Virus Antigen	317	Aquila BioPharm., Inc.	10/26/94	
A895.R0	Pseudorabies Vaccine, Killed Virus	286	Intervet, Inc.	02/28/94	
G900.R0	Escherichia Coli, Killed Culture	189	Pfizer, Inc.	08/17/89	

LICENSED BIOTECH PRODUCTS

Category I-B-1. Therapeutic or Prophylactic Use

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
3405.00	Canine Lymphoma Monoclonal Antibody	312	Synbiotics Corporation	04/10/91	
3525.00	Escherichia Coli Monoclonal Antibody, Murine Origin	284	Molecular Genetics, Inc. to	11/08/83	X
			To		
		165A	Schering-Plough AH Corp.	10/07/88	
3800.00	Pseudorabies Virus, Monoclonal Antibody	284	Molecular Genetics, Inc.	04/16/87	X
C525.00	Escherichia Coli Monoclonal Antibody	344	Charles River Lab.	01/29/90	

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LICENSED BIOTECH PRODUCTS

Category I-B-2. Used in Diagnostic Kits

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
5007.01	Avian Leukosis Virus Antibody Test Kit	313	IDEXX Laboratories, Inc.	07/06/87	
5008.00	Avian Reovirus Antibody Test Kit	350	Kirkegaard & Perry Labs	12/14/87	
		313	IDEXX Laboratories, Inc.	04/30/85	
		450	AffiniTech, LTD	09/30/99	
5010.20	Bluetongue Antibody Test Kit, CELISA	336	Vet. Diag. Tech., Inc.	11/03/92	
		332	VMRD, Inc.	11/22/94	
		386	Diagxotics, Inc.	02/28/92	
5013.00	Brucella Abortus Antibody Test Kit	312	Synbiotics Corporation	02/08/93	
		313	IDEXX Laboratories, Inc.	12/31/87	
5018.00	Canine Heartworm Antigen Test Kit	213	Heska Corporation	01/12/99	
5018.03	Canine Heartworm Antigen Test Kit	313	IDEXX Laboratories, Inc.	05/19/92	
		312	Synbiotics Corporation	10/19/95	
5024.00	Canine Parvovirus Test Kit	272	BioCor, Inc.	11/12/87	X
5028.00	Feline Leukemia Virus Antigen Test Kit	264	Pittman-Moore, Inc.	08/22/79	X
		317	Aquila BioPharm., Inc.	10/30/85	X
		313	IDEXX Laboratories, Inc.	06/16/86	
		272	BioCor, Inc.	11/20/87	X
		312	Synbiotics Corp.	01/22/98	
		312A	Synbiotics Corp.(Permittee)	05/16/85	
		330	Binax, Inc.	03/15/96	

Category I-B-2. Used in Diagnostic Kits (Continued)

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
5028.01	Feline Leukemia Virus Antigen Test Kit	313	IDEXX Laboratories, Inc.	03/31/87	
5028.02	Feline Leukemia Virus Antigen Test Kit	272 313	BioCor, Inc. IDEXX Laboratories, Inc.	11/20/87 01/19/90	X
5028.03	Feline Leukemia Virus Antigen Test Kit	313	IDEXX Laboratories, Inc.	02/10/49	
5029.00	Feline Infectious Peritonitis Antibody Test Kit	272A 272 313	Tech America Diagnostics BioCor, Inc. IDEXX Laboratories, Inc.	11/21/84 11/20/87 09/17/92	X X
5032.00	Escherichia Coli Antigen Test Kit	284	Molecular Genetics, Inc.	01/29/85	X
5036.00	Feline Immunodeficiency Virus Antibody Test Kit	313 312	IDEXX Laboratories, Inc. Synbiotics Corporation	02/26/88 10/01/92	
5038.00	Feline Immunodeficiency Virus Antigen Test Kit	313	IDEXX Laboratories, Inc.	07/25/89	
502A.00	Feline Leukemia Virus Antigen-Feline Immunodeficiency Virus Antibody Test Kit	313	IDEXX Laboratories, Inc.	07/08/88	
502A.01	Feline Leukemia Virus Antigen/Feline Immunodeficiency Virus, Antibody Test Kit	313	IDEXX Laboratories, Inc.	06/11/90	
502A.02	Feline Leukemia Virus Antigen-Feline Immunodeficiency Virus Antibody Test Kit	313	IDEXX Laboratories, Inc.	05/19/93	
5066.00	Mycobacterium Paratuberculosis DNA Test Kit	313	IDEXX Laboratories, Inc.	09/12/90	

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Category I-B-2. Used in Diagnostic Kits (Continued)

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
5110.00	Pseudorabies Virus Antibody Test Kit	189	Pfizer, Inc.	10/05/89	X
5110.02	Pseudorabies Virus Antibody Test Kit	313	IDEXX Laboratories, Inc.	06/16/86	
5111.00	Pseudorabies Virus gpX Antibody Test Kit	313	IDEXX Laboratories, Inc.	08/01/88	
		369	Agdia, Inc.	11/22/89	
5111.01	Pseudorabies Virus gpX Antibody Test Kit	369	Agdia, Inc.	03/10/93	
5112.00	Pseudorabies Virus gpIII Antibody Test Kit	272	BioCor, Inc. To	01/18/90	X
		52	Bayer Corp. To	03/25/97	X
		462	Biocor Animal Health, Inc.	07/01/98	
5113.01	Pseudorabies Virus GpI Antibody Test Kit	313	IDEXX Laboratories, Inc.	10/15/93	
5220.00	Pseudorabies Virus Antibody Test Kit	272	BioCor, Inc.	08/18/89	X
5505.20	Bovine Leukemia Antibody Test Kit	313	IDEXX Laboratories, Inc.	02/08/93	
		298	Merial, Inc.	10/03/89	
5515.00	Equine Infectious Anemia Antibody Test Kit	272	BioCor, Inc.	11/20/87	X
5515.20	Equine Infectious Anemia Antibody Test Kit	272A	Tech America Diagnostics	06/28/84	X
5515.21	Equine Infectious Anemia Antibody Test Kit	272	BioCor, Inc.	11/20/87	X

Category I-B-2. Used in Diagnostic Kits (Continued)

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
5A09.00	Bovine Rhinotracheitis Virus Antibody Test Kit	313	IDEXX Laboratories, Inc.	06/11/92	
5A64.00	Mycobacterium Bovis Gamma Interferon Test Kit	313	IDEXX Laboratories, Inc.	04/02/93	
5A70.00	Mycoplasma Gallisepticum DNA Test Kit	313	IDEXX Laboratories, Inc.	07/21/92	
5A75.00	Mycoplasma Gallisepticum DNA Test Kit, Accessory F Strain Kit	313	IDEXX Laboratories, Inc.	07/21/92	
5A76.00	Mycoplasma Synoviae DNA Test Kit	313	IDEXX Laboratories, Inc.	01/07/93	
5B64.00	Mycobacterium Paratuberculosis Gamma Interferon Test Kit	313	IDEXX Laboratories, Inc.	09/25/92	
5F18.00	Feline Heartworm Antibody Test Kit	312 313	Synbiotics Corporation Heska Corporation	01/12/98 07/24/98	
E018.00	Canine Heartworm Antigen Test Kit	213 445	Heska Corporation Quidel Corporation	01/12/99 01/12/99	
E028.00	Feline Leukemia Virus Monoclonal Antibody	312	Synbiotics Corporation	03/15/96	
EF18.00	Feline Heartworm Antibody Test Kit	213	Heska Corporation	01/20/99	

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LICENSED BIOTECH PRODUCTS

Category II. Live Gene Deleted

Product Code	Name of Product	Date Est.#	Company Name	Date Issued	Term.
1891.R0	Pseudorabies Virus Vaccine, Modified Live Virus	272	BioCor, Inc.	01/06/86	X
		307	Oxford Vet. Labs	07/26/93	X
		52	Bayer Corporation	03/25/97	
		213	Diamond AH, Inc.	12/03//87	X
		314	SyntroVet, Inc.	03/29/88	
1891.R1	Pseudorabies Virus Vaccine, Modified Live Virus	307	Oxford Vet. Labs	02/21/89	X
			To		
		52	Bayer Corporation	03/25/97	X
			To		
		462	Biocor Animal Health, Inc.	07/01/98	
1891.R2	Pseudorabies Vaccine, Modified Live Virus	314	SyntroVet, Inc.	09/24/91	
		307	Oxford Vet. Labs	10/25/96	
			To		
		52	Bayer Corporation	03/25/97	
1891.R3	Pseudorabies Vaccine, Modified Live Virus	314	SyntroVet, Inc.	05/04/94	
1899.R0	Pseudorabies-Swine Influenza Vaccine, Modified Live and Killed Virus	314	SyntroVet, Inc.	01/31/94	
4889.R0	Parvovirus Pseudorabies Vaccine, Modified Live and Killed Virus, Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin	314	SyntroVet, Inc.	11/29/89	X

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Category II. Live Gene Deleted (Continued)

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
4999.R0	Pseudorabies Vaccine, Modified Live Virus, Leptospira Canicola-Grippotyphosa-Hardjo-Icterohaemorrhagiae-Pomona Bacterin	314	SyntroVet, Inc.	11/29/89	X

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LICENSED BIOTECH PRODUCTS

Category III. Live Vectored

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
1061.R0	Avian Influenza-Fowl Pox Vaccine, Live Fowl Pox Vector	279	Merial Select, Inc.	02/20/98	
13D1.R1	Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector	298	Merial, Inc.	04/25/97	
13F9.R0	Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Rabies Vaccine, Modified Live and Killed Virus, Canarypox Vector	298	Merial, Inc.	03/2/99	
14K9.R1	Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus-Rabies Vaccine, Modified Live and Killed Virus, Canarypox Vector	298	Merial, Inc.	03/2/99	
1591.R1	Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector	298	Merial, Inc.	04/25/97	
1619.R1	Feline Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci-Rabies Vaccine, Modified Live Virus and Chlamydia, Canarypox Vector	298	Merial, Inc.	12/14/98	
1641.R0	Marek's Disease Vaccine, Serotypes 1 & 3, Live Maek's Disease Virus Vector	275	Tri-Bio Labs, Inc.	06/23/99	

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Category III. Live Vectored (Continued)

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
16A9.R0	Feline Leukemia-Rhinotracheitis-Calici-Panleukopenia-Chlamydia Psittaci-Rabies Vaccine, Modified Live Virus and Chlamydia and Killed Virus, Canarypox Vector	298	Merial, Inc.	12/14/98	
16S9.R0	Feline Leukemia-Rhinotracheitis-Calici Panleukopenia-Rabies Vaccine, Modified Live Virus and Killed Virus, Canarypox Vector	298	Merial, Inc.	12/14/98	
16T9.R0	Feline Rhinotracheitis-Calici-Panleukopenia-Rabies Vaccine, Modified Live Virus, Canarypox Vector	298	Merial, Inc.	12/14/98	
17C1.R0	Newcastle Disease-Fowl Pox Vaccine, Live Fowl Pox Vector	314 279	SyntroVet, Inc. Merial Select, Inc.	07/28/94 10/27/95	
1901.R0	Rabies Vaccine, Live Vaccinia Vector	298	Merial, Inc.	04/20/95	
1901.R1	Rabies Vaccine, Live Canarypox Vector	298	Merial, Inc.	12/22/98	
4639.R1	Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Leptospira Bacterin, Canarypox Vector	298	Merial, Inc.	04/25/97	
4699.R0	Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus-Rabies Vaccine, Modified Live and Killed Virus, Canarypox Vector, Leptospira Bacterin	298	Merial, Inc.	04/23/99	

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Category III. Live Vectored (Continued)

Product Code	Name of Product	Est.#	Company Name	Date Issued	Term.
469A.R1	Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus-Rabies Vaccine, Modified Live and Killed Virus, Canarypox Vector, Leptospira Bacterin	298	Merial, Inc.	04/23/99	
46J9.R1	Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus Vaccine, Leptospira Bacterin, Modified Live Virus, Canarypox Vector	298	Merial, Inc.	04/25/97	
4707.R0	Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector, Borrelia Burgdorferi Bacterial Extract	298	Merial, Inc.	01/20/99	
4807.R0	Canine Distemper-Adenovirus Type 2-Coronavirus-Parainfluenza-Parvovirus Vaccine, Modified Live Virus, Canarypox Vector, Borrelia Burgdorferi Bacterial Extract	298	Merial, Inc.	11/18/98	
A901.R0	Rabies Vaccine, Live Vaccinia Vector	298	Merial, Inc.	11/20/98	

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TOTALS FOR LICENSED BIOTECH PRODUCTS

Category	Total Licensed Products	Total Licensed Firms	Currently Licensed Products	Currently Licensed Firms	Terminated Products	Terminated Firm Licenses
Category I-A	18	12	16	10	2	2
Category I-B-1	4	5	3	3	1	2
Category I-B-2	40	21	33	14	7	7
Category II	7	6	5	3	2	3
Category III	20	4	20	4	0	0
TOTAL	89	48	77	34	12	14