

****Updated November 2014****

MarketVIEW: Veterinary vaccines

Product Name	:	MarketVIEW: Veterinary vaccines
Description	:	Overview presentation
Contents	:	Executive presentation
Therapeutic Area	:	Animal/veterinary
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Background

Veterinary vaccines are a fast growing component of the overall animal health market which itself was worth approximately \$24bn/yr in 2013. Key segments are vaccines for companion animals such as the canine and feline markets along with livestock, pigs and poultry. Veterinary vaccines are attractive commercially due to population growth and an increased demand for animal protein as a food source especially driven by emerging markets. In the West, where animal companionship is high, an aging population calls for increased health and well-being of pets where vaccines comprise of around half of total veterinary vaccine market value. A continued threat from zoonoses, which are estimated to affect 14 million people annually, and market attractiveness drive an active research and development pipeline in veterinary vaccines. The top four market players Merck & Co, Zoetis, Merial (Sanofi-Aventis) and Vetmedica comprise around 70% of total veterinary vaccine sales.

This **MarketVIEW** product is a comprehensive overview report covering the veterinary vaccines sector. It provides an in depth view of up to date key disease, product, market and research parameters in the field. It will form an introductory product to **VacZine Analytics** brand new drive into the Veterinary vaccines sector starting 2015.

Methodology

VacZine Analytics has closely monitored all significant source material pertaining to veterinary vaccines. Example, secondary source materials used are literature articles, government websites/databases, medical bodies and associations, conference proceedings and previously analyses (where publically available). Previously published research by **VacZine Analytics** in field of veterinary vaccines has also been utilised. ***See Bibliography for exact sources.

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****This product is composed of a summary presentation

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BIBLIOGRAPHY:

1. ISP/Merial. Creating a global leader in animal health. 2010. http://www.sanofi.com/Images/16362_2010-03-09_ISP_Merial.pdf Accessed Oct 2014
2. MSD Animal Health. Company presentation. 2011. http://www.pcdi.nl/images/stories/2011CompanyVisit/msd_animal_health_company_presentation2011dec.pdf Accessed Oct 2014
3. Dolcera. Veterinary vaccines market report. 2010. https://dolcera.com/wiki/index.php?title=Veterinary_Vaccines_Market_Report#Emerging_Trends_in_Veterinary_Vaccines Accessed Oct 2014
4. Western Farm Press. Animal health market to hit \$43 billion in five years. 2012. <http://westernfarmpress.com/print/management/animal-health-market-hit-43-billion-five-years> Accessed Oct 2014
5. Fierce Animal Health. Report: China animal vaccine market up by 26%. 2014. <http://www.fierceanimalhealth.com/story/report-china-animal-vaccine-market-26/2014-07-09> Accessed Oct 2014
6. PRWeb. Rise in Animal Diseases Caused by New Strains of Pathogens Drives the Global Veterinary Vaccines Market, According to New Report by Global Industry Analysts, Inc. 2014. http://www.prweb.com/releases/veterinary_vaccines/livestock_vaccines_market/prweb11653263.htm Accessed Oct 2014
7. Fierce Animal Health. Top 10 animal health companies of 2013. <http://www.fierceanimalhealth.com/special-reports/top-10-animal-health-companies-2013> Accessed Oct 2014
8. Merck Animal Health. Fact Sheet. 2011. <http://www.merck-animal-health.com/binaries/fact-sheet.pdf> Accessed Oct 2014
9. Zoetis. Zoetis reports fourth quarter and full year 2013 results. 2014. https://zoetis.investorhq.businesswire.com/sites/zoetis.investorhq.businesswire.com/files/doc_library/file/Zoetis_4Q13_Earnings_Release_2.11.14.pdf Accessed Oct 2014
10. Merial. A history of firsts. 2014. <http://www.merial.com/EN/AboutUs/Pages/History.aspx> Accessed Oct 2014
11. Merck Animal Health. Company Profile. 2014. <http://www.merck-animal-health.com/news-media/company-profile.aspx> Accessed Oct 2014
12. Oxford Analytica. Emerging and re-emerging animal diseases. 2013. www.oxan.com/resources/cr/public/OA_IFAH_Barriers_to_control.pdf Accessed Oct 2014
13. Parliamentary office of science & technology. Livestock disease. 2011. <http://www.ifst.org/sites/default/files/Livestock%20diseases%20POST-PN-392.pdf> Accessed Oct 2014
14. USDA. Status of reportable diseases in the United States. 2012. http://www.aphis.usda.gov/vs/nahss/disease_status.htm Accessed Oct 2014
15. Merck Veterinary Manual. Overview of foot-and-mouth disease. 2012. http://www.merckmanuals.com/vet/generalized_conditions/foot-and-mouth_disease/overview_of_foot-and-mouth_disease.html Accessed Oct 2014
16. Zhang L et al. Research in advance for FMD novel vaccines. Virology J. 2011;8:268
17. Merck Veterinary Manual. Overview of Bluetongue. 2012. http://www.merckmanuals.com/vet/generalized_conditions/bluetongue/overview_of_bluetongue.html?qt=bluetongue&alt=shl Accessed Oct 2014
18. Tabachnick WJ. Challenges in predicting climate and environmental effects on vector-borne disease epistemes in a changing world. J. Exp. Biol. 2010;213:946
19. Saegerman C et al. Bluetongue epidemiology in the European Union. Emerg. Infect. Dis. 2008;14:539
20. Merck Veterinary Manual. Overview of paratuberculosis. 2013. http://www.merckmanuals.com/vet/generalized_conditions/paratuberculosis/overview_of_paratuberculosis.html?qt=paratuberculosis&alt=sh Accessed Oct 2014
21. NADIS. Johne's disease (paratuberculosis). 2014. [http://www.nadis.org.uk/bulletins/johne%E2%80%99s-disease-\(paratuberculosis\).aspx](http://www.nadis.org.uk/bulletins/johne%E2%80%99s-disease-(paratuberculosis).aspx) Accessed Oct 2014
22. Merck Veterinary Manual. Overview of porcine reproductive and respiratory syndrome. 2012. http://www.merckmanuals.com/vet/generalized_conditions/porcine_reproductive_and_respiratory_syndrome/overview_of_porcine_reproductive_and_respiratory_syndrome.html?qt=PRRS&alt=sh Accessed Oct 2014
23. Cano JP. Introduction, dissemination and perpetuation of PRRS virus in a region. 2012. http://www.pig333.com/what_the_experts_say/introduction-dissemination-and-perpetuation-of-prrs-virus-in-a-region_6616/ Accessed Oct 2014
24. Merck Veterinary Manual. Porcine epidemic diarrhea. 2013. http://www.merckmanuals.com/vet/digestive_system/intestinal_diseases_in_pigs/porcine_epidemic_diarrhea.html?qt=pedv&alt=sh Accessed Oct 2014
25. Popischil A et al. Update on porcine epidemic diarrhea. J. Swine Health Prod. 2002;10:81
26. Feedstuffs. PEDV continues to spread. 2014. <http://feedstuffs.com/story-pedv-continues-spread-45-109966> Accessed Oct 2014

27. Merck Veterinary Manual. Swine influenza. 2012. http://www.merckmanuals.com/vet/respiratory_system/respiratory_diseases_of_pigs/swine_influenza.html?qt=swine%20influenza&alt=sh Accessed Oct 2014
28. NADIS. Pig health – swine influenza. 2014. <http://www.nadis.org.uk/bulletins/swine-influenza.aspx> Accessed Oct 2014
29. Merck Veterinary Manual. Overview of avian influenza. 2014. http://www.merckmanuals.com/vet/poultry/avian_influenza/overview_of_avian_influenza.html?qt=avian%20influenza&alt=sh Accessed Oct 2014
30. Ceva. Vectormune AI. 2014. <http://www.vectormune.com/Vectormune-R-AI-LT-and-IBD/Vectormune-R-AI> Accessed Oct 2014
31. Merck Veterinary Manual. Overview of rabies. 2011. http://www.merckmanuals.com/vet/nervous_system/rabies/overview_of_rabies.html?qt=rabies&alt=sh Accessed Oct 2014
32. World Health Organization. Essential rabies map. 2009. http://www.who.int/rabies/rabies_maps/en/ Accessed Oct 2014
33. BEVA. Maintenance. 2014. <http://www.beva.org.uk/useful-info/HorseOwner/GuidanceHorseOwners/MaintainingaHealthyHorse> Accessed Oct 2014
34. AAEP. Core vaccination guidelines. 2014. <http://www.aaep.org/-i-165.html> Accessed Oct 2014
35. Merck Veterinary Manual. Overview of equine viral encephalomyelitis. 2011. http://www.merckmanuals.com/vet/nervous_system/equine_viral_encephalomyelitis/overview_of_equine_viral_encephalomyelitis.html?qt=west%20nile%20virus&alt=sh Accessed Oct 2014
36. USDA. Eastern Equine Encephalitis. 2013. http://www.aphis.usda.gov/vs/nahss/equine/ee/eee_distribution_maps.htm Accessed Oct 2014
37. USDA. West Nile Virus – states with equine cases. 2013. http://www.aphis.usda.gov/vs/nahss/equine/wnv/wnv_distribution_maps.htm Accessed Oct 2014
38. Day MJ et al. WSAVA guidelines for the vaccination of dogs and cats. J Small Anim Pract 2010;51:1
39. RSPCA. Vaccinating your pet. 2014. <http://www.rspca.org.uk/adviceandwelfare/pets/general/vaccinating> Accessed Oct 2014
40. WSAVA Guidelines pictorial fact sheet. 2012. <http://www.wsava.org/guidelines/vaccination-guidelines> Accessed Oct 2014
41. PetMD. Rabies in dogs. 2014. http://www.petmd.com/dog/conditions/neurological/c_multi_rabies Accessed Oct 2014
42. Vetinfo. Parainfluenza virus in dogs. 2012. <http://www.vetinfo.com/parainfluenza-virus-in-dogs.html#b> Accessed Oct 2014
43. Merck Animal Health. Bordetella bronchiseptica. 2014. http://www.merck-animal-health-usa.com/diseases/130_19174_2/ProductDetails_130_114013.aspx Accessed Oct 2014
44. PetMD. Lyme disease in dogs. 2014. http://www.petmd.com/dog/conditions/infectious-parasitic/c_dg_lyme_disease Accessed Oct 2014
45. PetMD. Bacterial infection (leptospirosis) in dogs. 2014. http://www.petmd.com/dog/conditions/infectious-parasitic/c_multi_leptospirosis Accessed Oct 2014
46. PetMD. Dog flu. 2014. http://www.petmd.com/dog/conditions/respiratory/c_dg_canine_influenza Accessed Oct 2014
47. PetMD. Leukemia virus infection (FeLV) in cats. 2014. http://www.petmd.com/cat/conditions/infectious-parasitic/c_ct_feline_leukemia Accessed Oct 2014
48. International cat care. Chlamydophila felis infection (feline chlamydia). 2013. <http://www.icatcare.org:8080/advice/cat-health/chlamydia-felis-infection-feline-chlamydia> Accessed Oct 2014
49. International cat care. Bordetella bronchiseptica infection in cats. 2013. <http://www.icatcare.org:8080/advice/cat-health/bordetella-bronchiseptica-infection-cats> Accessed Oct 2014
50. Meeusen EN et al. Current status of veterinary vaccines. Clin. Microbiol. Rev. 2007;20:489
51. CDC. Zoonotic diseases. 2013. <http://www.cdc.gov/onehealth/zoonotic-diseases.html> Accessed Oct 2014
52. POST. Livestock vaccines. 2013. www.parliament.uk/briefing-papers/post-pn-433.pdf Accessed Oct 2014
53. NOAH. Vaccination of farm animals. 2002. <http://www.noah.co.uk/issues/briefingdoc/22-vaccfarmanimals.htm> Accessed Oct 2014
54. Provet. Vaccines – cattle. 2014. <http://www.provet.co.uk/health/diseases/cattlevaccines.htm> Accessed Oct 2014
55. NADIS. Cattle. 2014. <http://www.nadis.org.uk/livestock/cattle.aspx> Accessed Oct 2014
56. WikiVet. 2014. http://en.wikivet.net/Veterinary_Education_Online Accessed Oct 2014
57. Provet. Vaccines – pigs. 2014. <http://www.provet.co.uk/health/diseases/pigvaccines.htm> Accessed Oct 2014
58. NADIS. Pigs. 2014. <http://www.nadis.org.uk/livestock/pigs.aspx> Accessed Oct 2014
59. Merck Manuals. The Merck Veterinary manual. 2014. <http://www.merckmanuals.com/vet/index.html> Accessed Oct 2014
60. Provet. Vaccines – sheep. 2014. <http://www.provet.co.uk/health/diseases/sheepvaccines.htm> Accessed Oct 2014
61. NADIS. Sheep. 2014 <http://www.nadis.org.uk/livestock/sheep.aspx> Accessed Oct 2014
62. The Poultry Site. Treatment Options Guide. 2014. <http://www.thepoultrysite.com/info/treatmentguide.php> Accessed Oct 2014
63. MSD. Fish Products. 2014. http://www.msd-animal-health.co.uk/Species_Pages/Fish/products.aspx Accessed Oct 2014
64. Videnova K & Mackay DK. Availability of vaccines against major animal diseases in the European Union. Rev. Sci. Tech. Off. Int. Epiz. 2012;31:971
65. The Motley Fool. 5 reasons to invest in animal health. 2013. <http://www.fool.com/investing/general/2013/08/28/5-reasons-to-invest-in-animal-health-care.aspx> Accessed Oct 2014

66. Pharmaceutical Commerce. Animal-health pharmaceuticals are jumping the 'ethical channel'. 2013. http://pharmaceuticalcommerce.com/brand_communications?articleid=26854 Accessed Oct 2014
67. Sanofi. Press release 2013 annual results. 2014 http://en.sanofi.com/events/2013_Results/docs/2014-02-06_Results-2013_PR_EN.pdf Accessed Oct 2014
68. Boehringer Ingelheim. Annual Report 2013. 2014. http://www.boehringer-ingelheim.com/content/dam/internet/opu/com_EN/document/01_news/08_APC/APC_2014/BoehringerIngelheim_Annual_Report_2013.pdf Accessed Oct 2014
69. Zoetis. History. 2014. <http://www.zoetis.com/about/history> Accessed Oct 2014
70. Zoetis. At a glance. 2014. <http://www.zoetis.com/about/at-a-glance> Accessed Oct 2014
71. Merck. Merck announces fourth-quarter and full-year 2013 financial results. 2014 <http://www.mercknewsroom.com/news-release/corporate-news/merck-announces-fourth-quarter-and-full-year-2013-financial-results> Accessed Oct 2014
72. Sanofi. Sanofi delivers solid 2012 despite patent expirations. 2013. http://en.sanofi.com/Images/31846_20130207_2012RESULTS_en.pdf Accessed Oct 2014
73. Elanco. Elanco history. 2014. <http://www.elanco.com/about/company-history.aspx> Accessed Oct 2014
74. Eli Lilly. 2013 Annual Report. 2014. <http://files.shareholder.com/downloads/LLY/3567194304x0x736237/30C56C84-78DA-4D16-97F7-A51284E56A51/English.PDF> Accessed Oct 2014
75. Bayer. Annual Report 2013. 2014. <http://www.annualreport2013.bayer.com/en/healthcare.aspx> Accessed Oct 2014
76. Virbac. Annual financial report 2013. 2013. <http://www.virbac.com/home/investors/financial-reports/2013.html> Accessed Oct 2014
77. Ceva. Annual report 2013. 2014. <http://www.ceva.com/News-Media/Annual-reports/2013-Annual-Report-is-available> Accessed Oct 2014
78. Vetoquinol. Reference document 2013. 2014. http://vetoquinol.com/pdf/flippingbook/VETOQUINOL_document_de_reference_2013_eng/files/assets/common/downloads/Registration%20document.pdf Accessed Oct 2014
79. Shirley M. Infectious diseases: old enemies and new threats. 2010. <http://www.foodsecurity.ac.uk/blog/index.php/2010/02/infectious-diseases-old-enemies-and-new-threats/> Accessed Oct 2014
80. OIE. Official recognition of disease status. <http://www.oie.int/en/animal-health-in-the-world/official-disease-status/official-recognition-policy-and-procedures/> Accessed Oct 2014
81. USDA Agricultural Research Service. 2014. <http://www.ars.usda.gov/research/projects.htm> Accessed Oct 2014
82. Gov.uk. Reducing bovine tuberculosis (bovine TB). 2014. <https://www.gov.uk/government/policies/reducing-bovine-tuberculosis/supporting-pages/badgers-and-bovine-tb> Accessed Oct 2014
83. SciDev. New vaccine against five livestock diseases in progress. 2014. <http://www.scidev.net/sub-saharan-africa/livestock/news/new-livestock-vaccine.html#> Accessed Oct 2014
84. Fierce Animal Health. 2014. Zoetis forms European research pact to ID emerging animal diseases. <http://www.fierceanimalhealth.com/story/zoetis-forms-european-research-pact-id-emerging-animal-diseases/2014-10-28> Accessed Oct 2014
85. Munks MW. Progress in Development of Immunocontraceptive Vaccines for Permanent Non-surgical Sterilization of Cats and Dogs. *Reprod Dom Anim.* 2012;47(Suppl 4):223
86. Wildlife Services. Questions and answers: GonaCon – birth control for deer. 2010. http://www.aphis.usda.gov/wildlife_damage/nwrc/publications/factsheets/FS_FAQ_GonaCon_May%202010.pdf Accessed Oct 2014
87. Zoetis. Improvac. 2014. <http://www.zoetis.co.za/runtime/popcontentrun.aspx?pageidref=2288> Accessed Oct 2014
88. Spayvac-for-wildlife, inc. 2003. <http://terramar.bc.ca/technical.html> Accessed Oct 2014
89. Lu W et al. Attenuation and Immunogenicity of a Live High Pathogenic PRRSV Vaccine Candidate with a 32-Amino Acid Deletion in the nsp2 Protein. *J. Immunol. Res.* 2014;Article ID 810523
90. Pigprogress. Taiwan: Bananas used in development of PRRS vaccine. 2013. <http://www.pigprogress.net/Health-Diseases/Research/2013/8/Taiwan-Bananas-used-in-development-of-PRRS-vaccine-1342785W/> Accessed Oct 2014
91. Ohio State University. Ohio State Researcher Develops Innovative Vaccine for Profit-draining Swine Virus. 2013. <http://cfaes.osu.edu/news/articles/ohio-state-researcher-develops-innovative-vaccine-for-profit-draining-swine-virus> Accessed Oct 2014
92. Harris Vaccines. Swine. 2014. <http://www.harrisvaccines.com/en/research/livestock/swine/> Accessed Oct 2014

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About VacZine Analytics:

VacZine Analytics is an established strategic research agency based in the Spain. Its aim is to provide disease and commercial analysis for the vaccine industry and help build the case for developing new vaccines and biologics.

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