

****Published February 2013****

MarketVIEW: Hepatitis C Virus (HCV) vaccines (CAT: VAMV042)

Product Name	:	MarketVIEW: Hepatitis C Virus (HCV) vaccines
Description	:	Global vaccine commercial opportunity assessment
Contents	:	Executive presentation + 2 forecast models
Therapeutic Area	:	Novel vaccines
Publication date	:	February 2013
Catalogue No	:	VAMV042

Background

Hepatitis C is caused by infection with the Hepatitis C virus (HCV). Transmission is predominately through the blood-to blood route where persons such as current or former injection drug users, past recipients of blood transfusions or solid organ transplants and chronic hemodialysis patients are examples of risk groups. HCV infection becomes chronic in 75-85% of cases and if left untreated can result in chronic liver disease, cirrhosis and hepatocellular carcinoma (HCC). The WHO estimates that about 3% of the world's population has been infected with HCV and that some 170 million are chronic carriers at risk.

Pegylated interferons (PEG) and the non-specific antiviral ribavirin (R) have been the mainstay of HCV for many years but with lower success rates for patients infected with HCV genotype 1. Recently directly acting antivirals (DAAs) have been available such as Merck's boceprevir (Victrelis) and Vertex's telaprevir (Incivek/Incivo/Telavic). Triple therapy with Incivek and PegIFN/R improves SVR rates in treatment naïve and treatment-experienced patients compared to PegIFN/R alone. Beyond DAAs some companies are investigating HCV therapeutic (TX) and prophylactic (PX) vaccines.

This **MarketVIEW** product contains two comprehensive MS Excel-based models + summary presentation which forecast the potential commercial value of Hepatitis C Virus (HCV) TX and PX vaccines across major Western¹ markets until 2030. The models contain value (\$ m) and volume (mio doses) predictions per product type along with timeframe, pricing and penetration estimates for all adult risk groups. The product also includes an in depth review of latest HCV epidemiological trends, developments in new antivirals and immunological based treatments.

¹ US, Canada, Australia, UK, France, Italy, Germany, Spain, South Korea, Japan and Australia

Methodology

VacZine Analytics has closely monitored all significant source material pertaining Hepatitis C Virus (HCV) epidemiology, disease indications and target groups. Source materials used are literature articles, government websites, medical bodies and associations, conference proceedings etc. Previously published research by **VacZine Analytics** in the field of viral pathogens has also been utilised.

PRODUCT CONTENTS:

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****This product is composed of two forecast models and a summary presentation

Author's note

Executive Summary

Commercial model: major outputs

HCV TX vaccines: revenues (\$m) by scenario

HCV TX vaccines: revenues (\$m) by region

HCV PX vaccines: revenues (\$m) by scenario

HCV PX vaccines: revenues (\$m) by region

Chronically infected HCV population (000s), by region, 2010-2030

Treated patients (000s), any antiviral therapy (all genotypes), by region, 2010-2030

Treated patients (000s), any antiviral therapy (genotype 1), by region, 2010-2030

Commercial model: key assumptions

The role of HCV TX vaccine

The role of HCV PX vaccine

Key inputs: TX vaccine

Key inputs: PX vaccine

Overview of modelling strategy: TX vaccine

Pricing: TX vaccine

Overview of modelling strategy: PX vaccine

Pricing: PX vaccine

Epidemiology inputs: HCV prevalence

Epidemiology inputs: HCV populations by genotype

Epidemiology inputs: Estimated HCV populations by genotype, 2010

Epidemiology inputs: Injecting drug users

Epidemiology inputs: Estimated treatment rates (% of chronically infected HCV population)

HCV epidemiology summary

US: epidemiology

Europe: epidemiology

Canada: epidemiology

Japan, South Korea, Australia: epidemiology

HCV genotype distribution

Current HCV treatments – review of latest clinical data

Future HCV therapies

HCV vaccine pipeline

Okairos (TerCvax and ProCvax)

Continued.....

Globeimmune (GI-5005)
ChronTech (ChronVac-C)
Transgene (TG4040)
Further methodology
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About **VacZine Analytics**
Disclaimer

PAGES: ~75 MS PowerPoint slides, fully referenced/sourced. Available in .pdf form

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Worksheets = 40 interconnected

Contents – Vaccine demand model PX vaccine (MS Excel-based)

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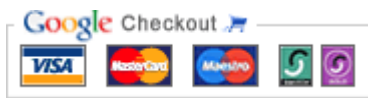
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About VacZine Analytics:

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

For more information please visit our website www.vacZine-analytics.com

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