Therapeutic human monoclonal antibodies against Dengue virus (8) (8) (8)







Countries or areas where dengue has been reported

Note: Lines define the boundaries of year-round survival of the dengue mosquito vector, Aedes aegypti, and represents areas where dengue transmission is possible. Dr. Pongrama Ramasoota
Faculty of Tropical Medicine, Mahidol U.
Collaborative Professor, Osaka University



Center of Excellence for Antibody Research







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Countries or areas where dengue has been reported

Note: Lines define the boundaries of year-round survival of the dengue mosquito vector,

3.9 billion peoples live in dengue endemic countries / year

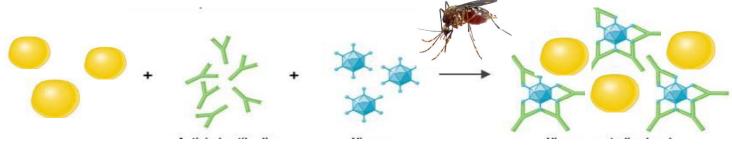
100 million dengue symptomatic cases / year

30,000 cases die from severe dengue / year





Neutralizing Human MAbs (NhuMAbs)



Viruses









White blood cells





NhuMAbs

Dengue-virus serotype neutralizing antibodies

WO 2013035345 A3

90-100% killing activity DENV1-4





Pre-clinical test in mice and monkey

Issued in;

1. USA

2. Japan,

3. Australia

4. India,

5. Indonesia

6. Malaysia

7. Phillipines

8. Singapore

9. Vietnam

10. Laos

11. Thailand

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Publication type

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Application

Sep 9, 2011

Motoki Kuhara, Pongrama Ramasoota, Aree Thattiyaphong, Surapee Anantapreecha, Pathom Sawanpanyalert, Yoshinobu Okuno, Kazuyoshi Ikuta, Atchareeya A-nuegoonpipat, Panadda Dhepakson, Apichai Prachasuphap,

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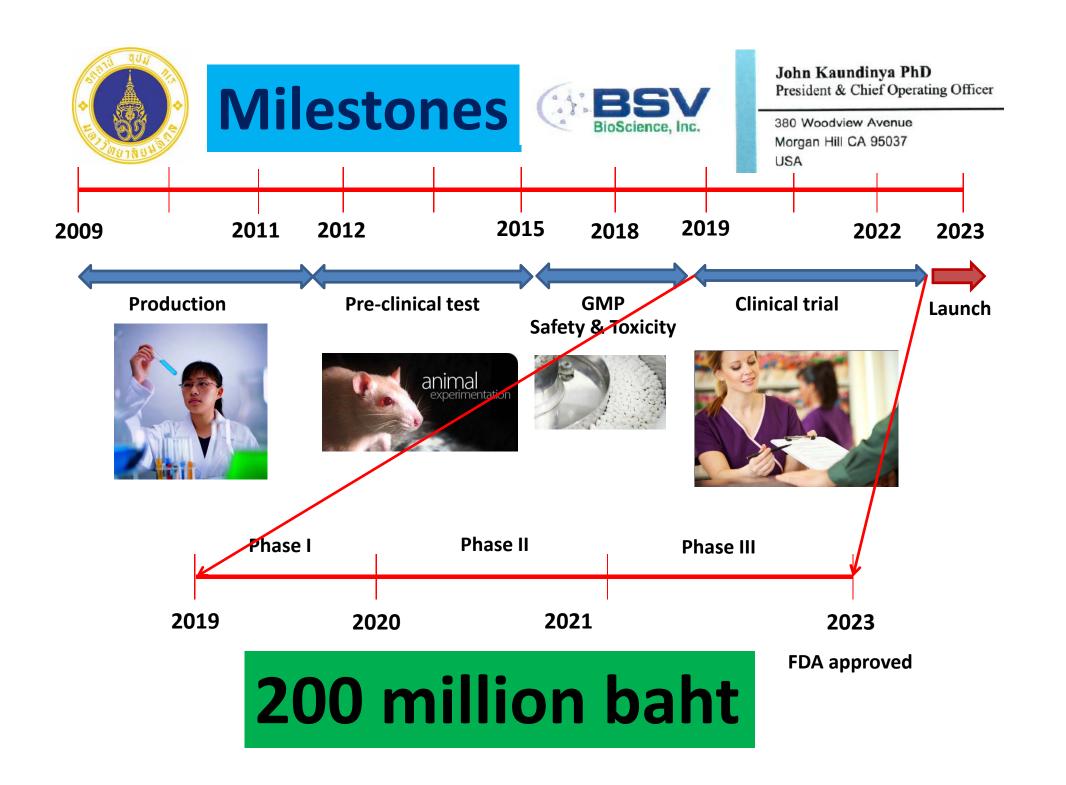
Applicant Osaka University, The Research Foundation For Microbial Diseases Of Osaka University.

Medical And Biological Laboratories Co., Ltd Mahidol University, Department of Medical

Sciences (DIVISc), Less «

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Classifications (6) Legal Events (2)

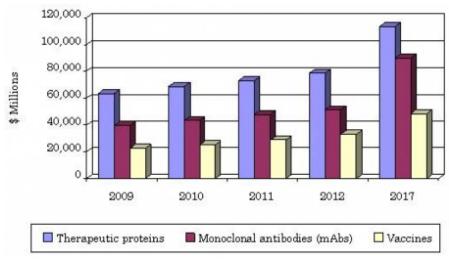


Business Model



SUMMARY FIGURE

GLOBAL BIOLOGICS MARKET FORECAST BY TYPE OF PRODUCT, 2009-2017 (\$ MILLIONS)



http://www.bccresearch.com/pressroom/bio/global-market-biologics-reach-nearly-\$252-billion-2017

Estimated if only 1% from 100 million Dengue cases will use our New Drug

Cost and profit	1 dose	Total vol (1 million)
Cost	Production 500	500 millions B
	Clinical trials 500 500 million B	
	R & D, Patents 500 500 million B	
Total cost	1,500	1.5 billion B
Sell	5,000	5 billion B
Profit	3,500	3.5 billion B

300% profit

Dr. Pongrama Ramasoota E-mail: pongrama.ram@mahidol.ac.th