



HERBITEC™

A subsidiary of Tanco Holdings Berhad
Realizing Potential Through Science





DENGUE FACTS AND FIGURES

KEY FACTS ABOUT DENGUE

- It is a mosquito-borne viral infection, found in tropical and sub-tropical climates worldwide.
- The dengue virus (DENV) has four serotypes; DENV-1, DENV-2, DENV-3 and DENV-4.
- This means that it is possible to be infected four times
- Subsequent infections by other serotypes increase the risk of developing severe dengue.
- Severe dengue is a leading cause of serious illness and death in some Asian and Latin American countries. It requires management by medical professionals.
- Malaysia reported **130,101 cases** (over a 60% increase from 2018) & **182 deaths** in 2019
- Dengue vaccine “Dengvaxia” is under review after a controversy that it caused deaths and worsened the disease in the Philippines. Phillipines has permanently banned this vaccine.
- This vaccine is not part of Malaysia's National Immunisation Programme and was not available at health facilities in the country.



INFO SOURCE / FACT SHEET

Dengue and Severe Dengue [Internet]. World Health Organization (WHO). 2020 [cited 05 May 2021].

Available from: <https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue>

➤ <https://www.straitstimes.com/asia/se-asia/sanofis-dengue-vaccine-suffers-setback-as-philippines-bans-drug>

➤ <https://www.thestar.com.my/news/nation/2018/07/06/ministry-to-review-dengue-vaccine>



HERBITEC™

A subsidiary of Tanco Holdings Berhad
Realizing Potential Through Science

HERBITEC INTRODUCTION



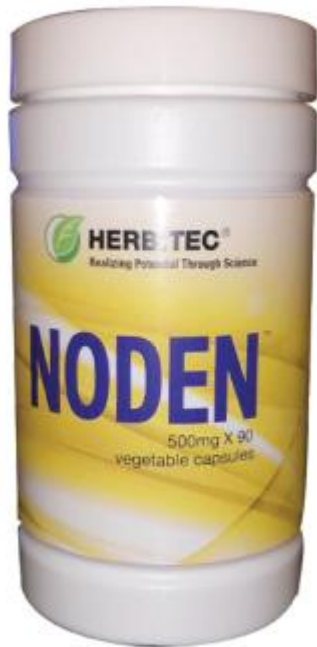
Herbitech (M) Sdn. Bhd. incorporated in September 2006, is a bioscience company producing herbal preparations derived from botanical extracts using its' proprietary cutting-edge technology in extracting, blending and standardization of botanical compounds. The R&D activities are primarily focused on Tropical Diseases and other diseases as follows:

- Hepatitis and Liver related diseases
- Oncology, particularly prostate related diseases
- Cardiovascular related diseases
- Broad spectrum anti-bacterial and anti-viral formulations

In May 2008, Herbitech (M) Sdn. Bhd. entered into a working collaboration with the Tropical Infectious Diseases Research and Education Centre (TIDREC), Faculty of Medicine, University of Malaya to commence the verification of the efficacy of the company's compounds and herbal extracts, under the supervision of **Professor Sazaly Abu Bakar, PhD.**



THE PRODUCT NODEN



NODEN is an Anti-fever Supplement with Antiviral Properties.

Purely Herbal; main ingredient *Scutellaria baicalensis* also known as Baikal skullcap.

Scutellaria baicalensis is one of the most widely used medicinal plants and is officially listed in the Chinese Pharmacopoeia. Extracts of its roots have been widely used in the treatment of inflammation, cancer, infectious diseases, hypercholesterolemia and hypertension.

In a recent study, extract of the *Scutellaria baicalensis* alone was shown to be possessed significant antiviral activities against all four dengue virus serotypes DENV-1, DENV-2, DENV-3 and DENV-4.

The active compounds of the Herbs are extracted and sterilized using our propriety technology **MEGHE®** to deliver the full strength of traditional herbal remedies at a high purity.

INFORMATION SOURCE

Zandi et al. BMC Complementary and Alternative Medicine 2013
<http://www.biomedcentral.com/1472-6882/13/91>