

June 08, 2026

The Manager, Listing Department
The National Stock Exchange of India Ltd.
Exchange Plaza, Bandra Kurla Complex,
Bandra (E), Mumbai – 400 051
NSE Symbol: PANACEABIO

BSE Limited
Corporate Relationship Department,
Phiroze Jeejeebhoy Towers,
Dalal Street, Mumbai – 400 001
BSE Scrip Code: 531349

Re.: Press Release - Launch of the DENSTAR project: advancing the licensure of a tetravalent live-attenuated dengue vaccine (DengiAll®) in sub-Saharan Africa and to facilitate its global access

Dear Sir/Madam,

Panacea Biotec is pleased to inform the launch of the DENSTAR project which will work to advance the licensure of the dengue vaccine DengiAll® in sub-Saharan Africa (sSA) and to facilitate its broader global use. The four-year initiative is funded under the Global Health European & Developing Countries Clinical Trials Partnership 3 Joint Undertaking (GH EDCTP3 JU), supported by the European Union and aligns with the EDCTP3 mission to combat Neglected Tropical Diseases (NTDs), including dengue fever, and seeks to reduce the disease burden across Africa.

The DENSTAR project is coordinated by the “Sclavo Vaccines Association”, a non-profit organization based in Siena (Italy) devoted to support vaccine research and development in developing countries. The DENSTAR consortium unites 10 Partners from 9 countries across Europe, Africa, the United States, India and South Korea which comprises of universities, research organizations, a biotech company and a non-profit organization, bringing together experts, researchers, regulators, healthcare practitioners. Panacea Biotec being the developer of DengiAll®, a tetravalent dengue vaccine targeting all four virus serotypes and currently in late-stage development in India, is a key partner of the DENSTAR consortium. This diverse and complementary consortium embodies a great public-private partnership, fully aligned with the DENSTAR project's goal to promote broader use of DengiAll® in Africa and globally, contributing to equitable access to safe and effective dengue prevention tools.

A copy of the Press Release is enclosed for your kind reference and record please.

Kindly acknowledge the receipt.

Thanking you,

Sincerely yours,

for **Panacea Biotec Limited**

Ankit Jain
General Manager - Legal and Company Secretary

Encl. As Above

PRESS RELEASE

8th June 2026

New Delhi

Launch of the DENSTAR project: advancing the licensure of a tetravalent live-attenuated dengue vaccine (DengiAll) in sub-Saharan Africa and to facilitate its global access.

Starting on the 1 June, the DENSTAR project will work to advance the licensure of the dengue vaccine *DengiAll* in sub-Saharan Africa (sSA) and to facilitate its broader global use. The four-year initiative is funded under the Global Health European & Developing Countries Clinical Trials Partnership 3 Joint Undertaking (GH EDCTP3 JU), supported by the European Union and aligns with the EDCTP3 mission to combat Neglected Tropical Diseases (NTDs), including dengue fever, and seeks to reduce the disease burden across Africa.

Dengue is a rapidly growing global health threat, transmitted by infected mosquitoes. In Africa, outbreaks are increasing, yet the true disease burden remains underestimated. While many infections are mild, severe cases can lead to shock, bleeding, and organ failure. With no specific antiviral treatment available, prevention relies largely on mosquito control, which is increasingly challenged by climate change, urbanization, and insecticide resistance. Existing vaccines offer only partial protection and are difficult to deploy widely, highlighting the urgent need for a safe, effective, and widely accessible solution.

The DENSTAR project is coordinated by the “Scavo Vaccines Association”, a non-profit organization based in Siena (Italy) devoted to support vaccine research and development in developing countries. The consortium unites 10 Partners from 9 countries across Europe, Africa, the United States, India and South Korea. DENSTAR comprises universities, research organizations, a biotech company and a non-profit organization, bringing together experts, researchers, regulators, healthcare practitioners. A key partner is Panacea Biotec Limited (India), developer of *DengiAll*, a tetravalent dengue vaccine targeting all four virus serotypes and currently in late-stage development in India. This diverse and complementary consortium embodies a great public-private partnership, fully aligned with the DENSTAR project's goal to promote broader use of *DengiAll* in Africa and globally, contributing to equitable access to safe and effective dengue prevention tools.

The DENSTAR consortium will conduct Phase I/III studies in healthy African adults and children to confirm that the *DengiAll* vaccine works safely and effectively in this population, paving the way for regulatory approval and deployment in sSA. The project will also address critical knowledge gaps by evaluating vaccine efficacy against Dengue Virus serotype 4 (DENV-4) using Controlled Human Infection Models (CHIMs), an area where no vaccine has yet demonstrated protection, making this research essential to strengthening scientific evidence, and public confidence in future vaccine wider use.

The vaccine offers several advantages for widespread use, particularly in lower- and middle-income

countries. It is single-dose, cost-efficient to manufacture, and suitable for large-scale deployment and technology transfer. Unlike other dengue vaccines, it requires no prior serological testing, making it a practical and scalable solution for diverse populations and equitable immunization strategies.

Prof. Donata Medaglini, Deputy Rector of the University of Siena, Chief Scientific Officer of SVA and DENSTAR Coordinator says: *“DENSTAR is a unique consortium that concentrates international excellence in vaccine research, development, manufacture, and clinical trials. By uniting top experts from academia, industry, and non-profit organization we are forging a true public-private partnership to bridge critical gaps in dengue prevention. By making a dengue vaccine available in Africa, we will uphold the universal right of every individual to a healthy and productive life. We have high hopes to advance the licensure of DengiAll in sub-Saharan Africa and beyond.”*

Prof. Ellis Owusu-Dabo, pro-vice-chancellor of the Kwame Nkrumah University of Science and Technology, Professor of Epidemiology and Global Health at School of Public Health of the same University, and Scientific project Lead of DENSTAR added: *“Dengue infections can range from mild to potentially fatal in the most severe cases. It is becoming more common in sub-Saharan African, driven primarily by climate change. The primary challenge of the DENSTAR project is to advance a live-attenuated tetravalent dengue vaccine through immunobridging and controlled human infection model studies to enable its licensure in sub-Saharan Africa, where dengue infections have become more common.”*

Dr. Khalid Ali Syed, Chief Scientific Officer of Panacea Biotec Limited added: *“The project efforts are expected to have a lasting impact on global health, extending beyond the project's immediate scope and duration by reducing the dengue burden, improving quality of life, alleviating pressure on health systems, and upholding the universal right to a healthy, productive life.”*

Prof. Till Bärnighausen, Director of the Heidelberg Institute for Global Health (HIGH), and Dr. Florian Marks, Deputy Director General of the Epidemiology, Public Health, and Impact (EPIC) unit at the International Vaccine Institute and scientist at the HIGH, highlighted: *“A key strength of DENSTAR is its commitment to sustainable capacity advancement alongside vaccine development. The project plans to support training opportunities for MPH and PhD students embedded in the participating institutions, while also strengthening the readiness of African study sites to conduct high-quality clinical trials and related project activities. By working jointly with participating sites and institutions, DENSTAR will help build locally led research capacity that continues beyond the lifetime of the project.”*

Facts about DENSTAR:

Title: Dengue Efficacy and Safety Trial in African Region

Acronym: DENSTAR

Duration and start date: 48 months from 1st June 2026

Coordinator: Sclavo Vaccines Association ETS (Italy)

EDCTP contribution: 11 091 138.75 €

Granting authority: This project is part of the Global Health EDCTP3 JU programme supported by the European Union (Grant number: 101249135 – DENSTAR)

Participants:

- Sclavo Vaccines Association ETS (Italy)
- Panacea Biotec Limited (India)
- Kwame Nkrumah University of Science and Technology (Ghana)
- Universitätsklinikum Heidelberg (Germany)
- National Institute of Allergy and Infectious Diseases (United States)
- International Vaccine Institute (Republic of Korea)
- Centre de Recherches Medicales de Lambaréné (Gabon)
- Instituto Nacional de Saúde (Mozambique)
- Johns Hopkins University (United States)
- Institut National De Recherche Biomedicale Du Zaire (Democratic Republic of the Congo)



Global Health
EDCTP3



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About Panacea Biotec

Panacea Biotec is a leading biotechnology firm with established research, manufacturing and marketing capabilities. We have played a vital role in Polio eradication in India by delivering over 10 billion doses of oral polio vaccines. Our journey has been marked by Polio eradication leading to a bigger impact across infectious diseases.

Panacea Biotec has pioneered in the development of innovative fully-liquid combination vaccines that can be stored at 2-8 degree Celsius temperature. We have also launched the world's first fully liquid wP-IPV based hexavalent vaccine EasySix (DTwP-HepB-Hib-IPV) in India in March 2017. We have also made available over 220 million doses of fully-liquid combination vaccines across the world. We have supplied vaccines for over 100 million people in 2025 alone.

Our innovations have helped increase paediatric immunization coverage, provided significant savings in the overall cost of immunization, improved healthcare systems, and saved the lives of millions of children in developing countries.

The other key vaccines in portfolio are Easyfive-TT (DTwP-HepB-Hib), EasyFour-TT (DTwP-Hib), IPV based tetravalent vaccine - EasyFour-Pol (DTwP-IPV) and Bivalent oral polio vaccine (type-1 and type-3). Panacea Biotec's new vaccines in pipeline are Pneumococcal Conjugate Vaccine - NucoVac-11 and Recombinant Tetravalent Dengue Candidate Vaccine - DengiAll and Td (tetanus and diphtheria - reduced).

Panacea Biotec has launched its consumer arm called 7N Panacea Biotec created to bring science-driven, everyday healthcare solutions directly to families. The "7N" philosophy stands for Nutrition, Nurture, Nature, Newness, Novelty, Necessity, and Nourishment - seven pillars that guide the development of every product. From advanced nutritional supplements to baby care essentials, 7N Panacea Biotec blends purity, innovation, and affordability to ensure healthier lives across generations.

Our Nutritional products include ChilRun full, ChilRun full No Sucrose, and ChilRun 7+ that support a child's total growth and development requirements. We have launched NikoMom, to meet the needs of mothers and newborn babies through natural, safe, and non-toxic products. Under this brand, we have launched Baby Massage Oil, Head-to-toe wash, Daily Lotion, Diaper Rash Cream, Diapers and Wet wipes. Staart is India's safest infant formula that is free from maltodextrin, palm oil, fructose, table sugar etc. and fortified with prebiotics.

For more information, please visit: www.panaceabiotec.com, www.7NShop.com

For media queries, please contact:



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