GSK, PATH, and Bharat Biotech sign product transfer agreement to help ensure long-term supply of RTS,S/AS01E malaria vaccine

- Bharat Biotech to produce antigen for world’s first vaccine against Plasmodium falciparum malaria following technology transfer, to help ensure long-term sustainable supply
- Transfer builds on GSK commitments to donate up to 10 million vaccine doses to the pilot implementation in regions of Ghana, Kenya, and Malawi and supply up to 15 million doses annually to 2028 if recommended for wider use
- Bharat Biotech selected as partner based upon its established experience in development, production, and supply of global health vaccines.

GSK, PATH, and Bharat Biotech (BBIL) today announced the signing of a product transfer agreement for the malaria vaccine, RTS,S/AS01E. The agreement includes the transfer of manufacturing of the RTS,S antigen part of the vaccine and the grant of a license on all rights pertaining to the RTS,S/AS01 malaria vaccine to BBIL. GSK will retain the production of the adjuvant of the vaccine (AS01E) and will supply it to BBIL.

BBIL is an established, innovative biotechnology company based in Hyderabad, India, focused on delivering safe, affordable, and high-quality vaccines and bio-therapeutics against infectious diseases. The agreement recognises the track record and expertise of BBIL in developing and supplying vaccines against infectious diseases, including as an established supplier of global health vaccines to Gavi, the Vaccine Alliance, and to UNICEF. BBIL was selected through a comprehensive, competitive process undertaken by GSK and PATH, working in consultation with the World Health Organization (WHO).

The RTS,S/AS01E malaria vaccine, developed by GSK for more than 30 years, and in partnership with PATH since 2001, is currently being piloted in regions of Ghana, Kenya, and Malawi under the Malaria Vaccine Implementation Programme (MVIP). Ministries of health are leading the implementation of the vaccine, which is being given to young children through the three countries’ routine immunisation programmes, with WHO providing technical and scientific leadership, playing a coordinating role, and working in collaboration with GSK, PATH, and a range of other partners.

RTS,S/AS01E is the first, and to date, the only malaria vaccine to have received a positive review by regulatory authorities (positive scientific opinion from the European Medicines Agency and approval by the regulatory authorities of Ghana, Kenya, and Malawi for use in the MVIP). The first dose of the vaccine has reached more than 500,000 children since the pilots were initiated by ministries of health in the three participating countries in 2019.

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1 The GSK proprietary AS01 adjuvant system contains QS-21 Stimulon® licensed from Agenus Inc. (NASDAQ: AGEN)
This agreement with BBIL is the result of efforts by GSK, PATH, and WHO to help ensure long-term sustainable vaccine supply, in the event of a WHO policy recommendation for broader use and a commitment of sustained funding. This builds on existing GSK commitments to donate up to 10 million RTS,S/AS01e doses for use in the pilot, and to supply up to 15 million doses annually until 2028 if the product is recommended for wider use by WHO. It is expected that by 2029, at the latest, BBIL will be the sole supplier of the vaccine, with GSK supplying the adjuvant AS01e to them.

The timing of the new agreement will help ensure the maintenance of long-term vaccine supply, given the time required for a successful technology transfer. GSK has strong expertise in transferring vaccine manufacturing technologies to partners, with more than 20 technology transfers currently ongoing. This expertise, with support from BBIL and PATH, will now be applied to deliver a successful transfer of production of the RTS,S antigen to BBIL.

Thomas Breuer, GSK Vaccines Chief Medical Officer and Vaccines Global Health lead said: “Our 30-year and ongoing commitment to RTS,S/AS01e represents significant leadership and investment in global health vaccines, but also a huge scientific achievement in the fight against malaria. With a child still dying of malaria every two minutes, helping secure the long-term future of the only vaccine available by working with an established leader like Bharat Biotech is vital for the continued fight against this devastating disease. GSK is delighted to sign this agreement with Bharat Biotech”.

John Bawa, Africa Lead, Vaccine Implementation, PATH, said: “Malaria takes such a toll on African children, our health care systems, and our economies, that having this vaccine is cause for optimism, given its potential to further reduce malaria illnesses and deaths. Thanks to the pilot programme, children in some of the areas hardest hit by malaria—here in Ghana, and in Kenya and Malawi—have been receiving this vaccine through routine immunisation programmes for more than one year. We at PATH are proud to be a part of this remarkable effort—together with partners across Africa, GSK, and WHO—to get to this point. Now, with the signing of this agreement with Bharat Biotech, we have an additional, new partner to help ensure that this vaccine can be more widely available for use in Africa, alongside other malaria interventions, in the years to come”.

Krishna M. Ella, Bharat Biotech, Chairman & Managing Director said: “We salute the commitment by GSK, PATH, and partners, in developing a novel vaccine against malaria, a dreaded disease with more than 200 million cases worldwide. We are truly honoured to support this partnership and to provide global access to RTS,S/AS01e. With prior expertise in malaria research, WHO prequalified vaccines, supplied to more than 70 countries, Bharat Biotech is geared up for large-scale manufacturing, and to provide continuous long-term supply of this life-saving vaccine”.

About GSK
GSK is a science-led global healthcare company with a special purpose: to help people do more, feel better, live longer. For further information please visit www.gsk.com/about-us.

About BBIL
Bharat Biotech (BBIL) is a pioneering, innovative biotechnology company known for its world-class research and development and manufacturing capabilities, and for its commitment to delivering safe, affordable, and high-quality vaccines and bio-therapeutics against infectious diseases. BBIL has a global track record of supplying WHO pre-qualified vaccines at affordable prices to Gavi-eligible countries.

BBIL currently manufactures 17 licensed vaccines, most of which are distributed in Indian and global markets. Three vaccines—ROTAVAC®, Typbar-TCV®, and BioPolio®®—are WHO Prequalified. In early 2019, BBIL purchased GSK’s Indian subsidiary, Chiron Behring Vaccines, relaunching its rabies vaccine under the name ChiroRab in November of last year. ChiroRab is also prequalified by WHO. To learn more about Bharat Biotech visit www.bharatbiotech.com.

About PATH
PATH is a global nonprofit dedicated to ending health inequity. With more than 40 years of experience forging multisector partnerships, and expertise in science, health, economics, technology, advocacy, and dozens of other specialties, PATH develops and scales innovative solutions to the world’s most pressing public health challenges. Learn more at www.path.org. Learn more about PATH’s malaria vaccine efforts at www.malariavaccine.org.
Cautionary statement regarding forward-looking statements
GSK cautions investors that any forward-looking statements or projections made by GSK, including those made in this announcement, are subject to risks and uncertainties that may cause actual results to differ materially from those projected. Such factors include, but are not limited to, those described under Item 3.D “Risk Factors” in the company’s Annual Report on Form 20-F for 2019 and as set out in GSK’s “Principal risks and uncertainties” section of the Q3 Results and any impacts of the COVID-19 pandemic.