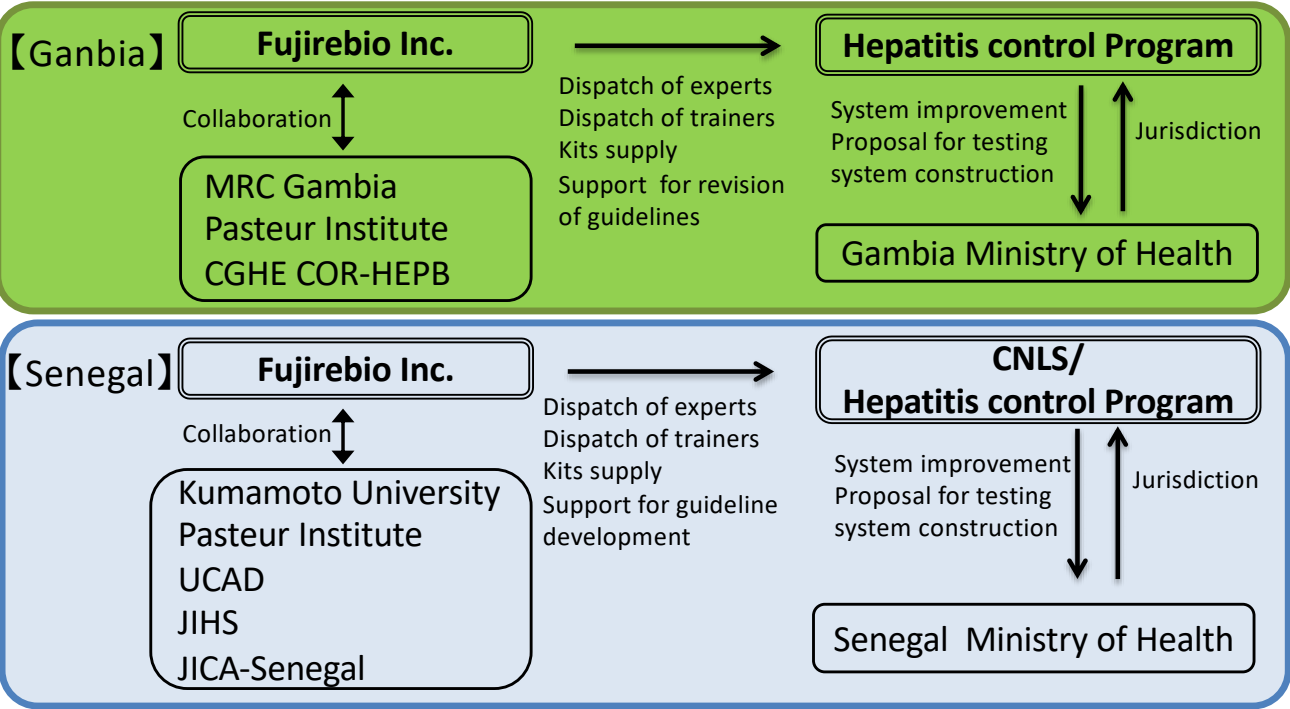


Development of a Healthcare system for the Prevention of Mother-to-Child Transmission of Hepatitis B in Gambia and Senegal
Year 2 of a 3-Year Plan

1. **Objective**: to develop of a testing system for the prevention of mother-to-child transmission of HBV in West Africa (Gambia/Senegal)

2. **Overview**: Fujirebio is introducing a rapid HBeAg test kit in Gambia and Senegal to support the identification of high-risk pregnant women for the prevention of mother-to-child transmission of HBV. In partnership with Ministry of Health, National Hepatitis Program, and principal national hospitals, Fujirebio will deliver training to personnel involved in prenatal care at primary healthcare facilities. The curriculum will include testing procedures, result interpretation, quality assurance, and the creation of an operational protocol that facilitates the initiation of anti-HBV treatment during prenatal visits. Furthermore, medical professionals trained under this initiative will serve as instructors to ensure sustainable growth of the newly established healthcare system.

3. **Outcomes** : Establish the rapid HBeAg test as the standard for identifying high-risk pregnant women and integrate it into national guidelines and manuals. Set up an operational process that ensures women can immediately move from testing to anti-HBV treatment during their prenatal checkups. Assess effectiveness with metrics such as the number of tests performed, number of positive cases, number of treatments started, number of facilities implementing the system, and the rate of indeterminate test rates. By using training materials consistently and empowering local trainers to work independently, build a nationwide rollout strategy and establish a supply chain, including international procurement.



- <Training Schedule for Year2>
- June**: Preparatory mission in Senegal (2 participants)

 - Preparation of activities and survey, meetings (Regulatory agency etc..)

October: Support implementation of testing in Gambia (50 participants)

 - Seminar for staffs from Ministry of Health and key medical institutions
 - Confirmation of test usage status (7 facilities)
 - Support for nationwide deployment of the testing system (60 facilities)

October: Meeting for kit introduction in Senegal (30 participants)

 - Overview of testing model for prevention of mother-to-child transmission of HBV
 - Explanation of the clinical usefulness of the rapid HBeAg kit
 - Meetings with organizations in charge of Hepatitis B control

October: Training of trainers in Senegal (4 facilities, 20 participants)

 - Visit of local health facilities and inspection of testing environments
 - Seminar and training on how to use the rapid HBeAg test

November–January: Expansion of Training in Senegal (4 facilities)

 - On-site training on rapid testing skills
 - Confirmation and verification of training effectiveness