

TECHNOLOGY DEVELOPMENT DIVISION



Dr. Mu Mu Shwe
MBBS, MMedSc(Pathology)(UM2)

1. Historical Background

Technology Development Division was established in April, 2012 for conducting research and development of vaccines, biological products and diagnostic tests. The current activities are purification of hepatitis B surface antigen (HBsAg) from plasma for laboratory scale production of hepatitis B vaccine, development of new diagnostic test kits and test methods, vaccine research studies like immunogenicity of hepatitis B vaccine and research on viral hepatitis infection. The production of hepatitis B vaccine and vaccine research were performed by Vaccine Production and Distribution Division in 1997 and Hepatitis B Vaccine Plant of Department of Medical Research (Lower Myanmar) in 2004. Vaccine Production and Distribution Division was established in 1997 with set up of 36 staff and the main activity was to produce the plasma-derived hepatitis B vaccine and to perform the quality control tests for vaccine. The Division also works in collaboration with the Experimental Medicine Research Division for the human immunogenicity trial of the DMR HB vaccine. On 31 October 2000, the EDCF Loan Agreement was signed between the Department of Medical Research (Lower Myanmar), Ministry of Health and the Export-Import Bank of Korea, Republic of Korea. The Supply Contract was signed between the DMR, MOH Myanmar and the Samsung Corporation, Republic of Korea on 15 October 2001. Exact location for the construction of the HB Vaccine Plant has been confirmed by the both parties concerned, and the site chosen from the 30 acres of land allotted at the Sitpin village track of Hlegu Township. In 2002, new set up for Hepatitis B Vaccine Plant was established and total of 82 posts have been allotted for the Vaccine Production and Distribution Division and Hepatitis B vaccine Plant. In 2004, new set up was effective and Vaccine Production and Distribution Division was merged with Hepatitis B Vaccine Plant and there were three divisions in Hepatitis B Vaccine Plant, Vaccine Production Division, Vaccine Quality Control Division and Vaccine Research Division. In 2005, Vaccine Research Division was renamed as Quality Assurance and Research Division. In August, 2006, Hepatitis B Vaccine Plant was transferred to Ministry of Industry (1) and 13 officers were moved back to Department of Medical Research (Lower Myanmar) and carry out their duties in various research divisions. In April, 2012, Vaccine Research Centre set up was established at Department of Medical Research (Lower Myanmar) consisting of Technology Development Division, Quality Assurance Division and Quality Control Division. In addition, Technology Development Division was engaged in Research mainly on Communicable Diseases such as Human Papillomavirus (HPV) related diseases, Sexually Transmitted Diseases, Viral Hepatitis and Non Communicable Diseases such as Cancers.

2. Former Heads

Sr. No.	Name	Degree	Year (From-To)
1.	Dr. Win Maw Tun	MBBS, MMedSc, PhD(Microbiology)	2012 -2014
2.			
3.			

3. Current Staff

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13.	Daw Ei Ei Phyu	Cleaning Worker	09-452424989

4. Area of Research Activities

No.	Area of Research Activities	Choice
1.	Communicable Diseases	√
2.	Non-Communicable Diseases	√
3.	Nutritional Factor	
4.	Research Capacity Strengthening	
5.	Health System Research	
6.	Environmental Health	
7.	Traditional Medicine	
8.	Research Culture Promoting	
9.	Technology Development	√