Abstract

The Unlabeled Immunoperoxidase, method, PAP, was used for detection and localization of dengue-2 viral antigen in mosquito cell line (C6/36), continuous cell line of rhesus kidney (LLC-MK₂), human monocyte, human peripheral blood lekocyte from DHF patients and measuring of infectivity in enhancing experiment. All of the specimens gave the same results that dengue-2 viral antigen was present in cytoplasm only and the patterns of antigens presentation in infected were varied e.g. fine granule, small dot, clumping, or diffuse in the cytoplasm. Among 133 cases of DHF patients, 25 cases were positive by this method. The measurement of infectivity in the enhancement experiment gave the significant difference between antibody enhancing and non-enhancing group. Titration of antibody for its enhancement ability was also a possibility with this method. Since, it can be used with the endogenous peroxidase containing cells with variety types of specimens.

This work is partly supported by grant from the National Research Council of Thailand.
BIOGRAPHY

NAME: KITTI KHAMSATTAYA

DATE OF BIRTH: December 4, 1953

PLACE OF BIRTH: Bangkok, Thailand

INSTITUTIONS ATTENDED:

Secondary education demonstration school (Prasanmit)
Bangkok

March, 1969  Certificate of Mathayom Suksa III

Secondary education demonstration school (Prasanmit)
Bangkok

March, 1971  Certificate of Mathayom Suksa V

Medical Laboratory Technology school (Department of
Medical Sciences), Bangkok

June, 1972  Diploma of Medical Laboratory Technology

Cytology school (National Cancer Institute), Bangkok

July, 1973  Diploma of Cytology

Ramkhamhaeng University

April, 1977  Bachelor of Science (Biology)