Samples of adult healthy subjects without anti-DENV-antibodies (IIF) n = 88

DENV-1-4 EDIII ICB ELISA: Determination of cut-off OD for P/N calculation n = 88

Adult patients with suspected DENV infection n > 4000 (2002-2012)

Excluded from study: all patients without DENV-1-4 RT-PCR confirmation and/or without follow-up samples n > 4000

DENV-1-4 RT-PCR confirmed patients with follow up samples, primary infection (no anti-DENV antibodies in first sample), Follow up samples DENV IIF-positive n = 64

DENV-1-4 EDIII ICB ELISA n = 64

DENV EDIII ICB ELISA: negative or equivocal results, (P/N ≤1)) n = 9

Dengue serotype by RT-PCR:
DENV-1, n = 1
DENV-2, n = 4
DENV-3, n = 4
DENV-4, n = 0

DENV EDIII ICB ELISA: positive results (P/N >1) n = 55

Dengue serotype by RT-PCR confirmed by competitive ICB ELISA:
Anti-EDIII DENV-1, n = 24
Anti-EDIII DENV-2, n = 11
Anti-EDIII DENV-3, n = 13
Anti-EDIII DENV-4, n = 7

Determination of sensitivity, specificity of the DENV EDIII ICB ELISAs