

## Dengue Virus Polyvalent type 1-4 - Purified

**Catalog No.:** AR10521PU-L

**Quantity:** 1 mg

**Concentration:** 0.79 mg/ml

**Background:** Caused by one of four closely related virus serotypes of the genus *Flavivirus*, family *Flaviviridae*, each serotype is sufficiently different that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and mice Morpholino antisense oligos have shown specific activity against Dengue virus.

**Source:** *E. coli*

**Format:** **Purity:** >95% pure as determined by 10% PAGE (coomassie staining).  
**Purification Method:** Purified by proprietary chromatographic technique.  
**Buffer System:** PBS, pH 7.4

**Description:** Polyvalent Dengue antigen is a 22kDa protein that contains 4 Dengue antigen subtypes, produced in *E. coli* and fused to a 6xHis Tag. The immunoreactive peptide span from the viral envelope to the non-functional region. The polyvalent Dengue antigen consists of 25% recombinant antigen from each of the Dengue subtypes in their composition. The Polyvalent Dengue antigen detects all four dengue subtypes. The sensitivity and specificity could reach approximately 93% and 96% in Dengue IgG and IgM ELISA assay.

**Storage:** Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.