One Step IgM Antibodies to Chikungunya virus Test

**SD BIOLINE Chikungunya IgM**

**Explanation of the test**

**INTRODUCTION**

The CHIKV and SD BIOLINE Chikungunya IgM kit are an advancement that enables users to detect the presence of IgM antibodies in samples with high sensitivity. The kit incorporates advanced technology to ensure accurate results in a short period.

**SPECIMEN COLLECTION, STORAGE AND PRECAUTION**

- **Whole Blood**
  - Collect the whole blood into the collection tube containing anticoagulant such as heparin, EDTA or sodium citrate by venipuncture.
  - Store in refrigerator or any temperature below 25°C.

- **Serum or Plasma**
  - Collect the whole blood into the collection tube containing anticoagulant such as heparin, EDTA or sodium citrate by venipuncture. Leave to settle for 30 minutes until the blood is clotted and then centrifuged to obtain serum or plasma supernatant.
  - Store in refrigerator or any temperature below 25°C.

**Warnings**

- Do not use blood samples from patients with clinical symptoms consistent with chikungunya. These patients may have a positive test result due to the presence of IgM antibodies.
- Avoid using samples that are not stored correctly. Samples stored for more than 3 days are not recommended for testing.
- Use only reagents provided by the manufacturer. Using different reagents can lead to false results.

**Test Procedure**

1. Using a dropper, add 1 drop of sample to the test area.
2. Interpret the test result after 10 minutes.

**Interpretation of the test**

- **Negative**
  - The presence of only one color band ("C") within the result window indicates a negative result.
- **Positive**
  - The presence of two color bands ("C" and "T") within the result window indicates a positive result.
- **Invalid**
  - The presence of one color band ("C") and no color band ("T") within the result window indicates an invalid result.

**Performance characteristics**

- **Sensitivity**: 95.1%
- **Specificity**: 99.9%
- **Positive Predictive Value**: 98.9%
- **Negative Predictive Value**: 97.1%

**Internal Quality Control**

- **Negative result**
  - Any sample that fails to develop a color band within the result window is considered a negative result.
- **Positive result**
  - Any sample that develops a color band within the result window is considered a positive result.
- **Invalid result**
  - Any sample that fails to develop a color band within the result window is considered an invalid result.

**Bibliography of suggested reading**


**Manufactured by**

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