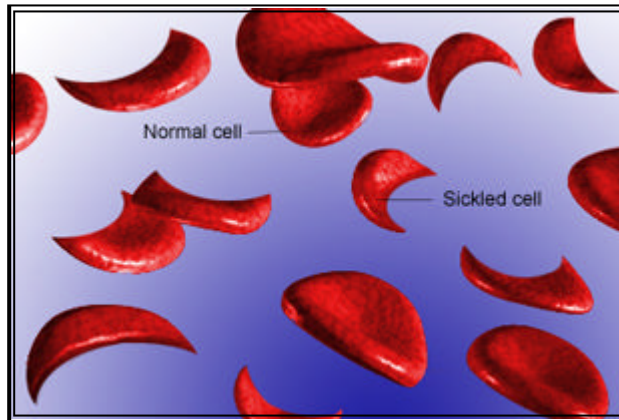


MICROGEN BIOPRODUCTS LTD



S-TEST

MICROGEN BIOPRODUCTS S-TEST IS INTENDED FOR THE IN-VITRO SCREENING OF HUMAN BLOOD SAMPLES TO DETECT THE PRESENCE OF HAEMOGLOBIN S WHICH IS ASSOCIATED WITH SICKLE CELL TRAIT.

PRODUCT CODE: M96-50CE (50 TEST)

- ◆ Results available in 5 minutes
- ◆ Simple to perform
- ◆ Method to differentiate heterozygous and homozygous
- ◆ Positive and Negative controls now available (product code M96-Control, 2x 0.5ml)
- ◆ Positive and Negative Controls can be aliquoted and stored frozen for up to 3 years

Protecting Food and Health

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Test Principle

Microgen S-Test is based upon the relative insolubility of Haemoglobin Hb-S in a buffer containing a reducing agent. The kit contains two reagents, a dry powder and a buffer solution which are mixed together prior to use. The blood sample is added to the reconstituted solution, mixed and allowed to stand. The reagent mixture lyses the red blood sample and separates the haemoglobin chains. Haemoglobin S is not soluble in the reagent whereas normal haemoglobin (Hb-A) will dissolve. The presence of Hb-S in the blood sample is determined by assessing the turbidity of the resultant solution.

A variation of the method involving centrifugation of the sample and reagent mixture can be used to distinguish between homozygous and heterozygous sickle cell traits, and to aid the interpretation of equivocal results.

Test Procedure-screening test

- ◆ Ensure all reagents are at room temperature (18-25°C) and mixed thoroughly
- ◆ Always run positive and negative controls to confirm the test system is functioning correctly
- ◆ Add 20µL blood sample to 2mL reconstituted reagent in a disposable plastic test tube and mix thoroughly
- ◆ Stand test samples for 3-5 minutes and examine for **turbidity** using the viewing rack provided.

Test Procedure-spin method

- ◆ Ensure all reagents are at room temperature (18-25°C) and mixed thoroughly
- ◆ Always run positive and negative controls to confirm the test system is functioning correctly
- ◆ Add 20µL blood sample to 2mL reconstituted reagent in a disposable plastic test tube and mix thoroughly
- ◆ Allow mixture to stand for 3 minutes
- ◆ Centrifuge at 1200g for 5 minutes. Allow the centrifuge to stop **without** braking

The Features and Benefits of Microgen S-Test:

Features;

- ◆ 5 individual vials and bottles
- ◆ Simple to perform
- ◆ Method to differentiate heterozygous Hb-AS and homozygous Hb-SS
- ◆ **New positive and Negative Controls available separately (product code M96-Control, 2x 0.5ml)**

Benefits;

- ◆ Reduced wastage
- ◆ No expertise required
- ◆ No instrumentation required
- ◆ Valuable in genetic counselling

Product Code: M96-50CE

Description: S-Test

Storage: 2-8°C

Size: 50 Test