**Haemoglobin and Anemia**

1. **Hemoglobin Estimation:**

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| **Blank** | **Test** |  |
| 2 ml | 2 ml | **Hemoglobin reagent** |
| \_\_\_\_\_ | 0.01 ml ( 10µl) | **Blood sample** |
| Mix, allow to stand at room temperature for 3 min and read the absorbance at 540 nm against hemoglobin reagent | | |

Hb conc (g/dl) = 29.4 x Abs of test

1. **Qualitative determination of hemoglobin S (HbS) in blood**

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| **Reagent** | **Volume** |
| Sickling solution | 2 ml |
| Patient sample (whole blood) | 0.02 ml (20 μl) |
| **Mix by inversion and allow stand at room temperature for 5 to 10 min** | |
| **Read the test by holding the test tube approximately 3 cm in front of a lined scale on the card.** | |