

## ABOUT

Sickle cell disease is caused by a mutation in the hemoglobin gene. In sickle cell anemia, the red blood cells are shaped like sickle. These sickle shaped red blood can block blood flow thus affecting transport of oxygen. SCD is inherited in recessive form. If a individual have only one copy of abnormal hemoglobin S they are referred as Sickle cell trait. If a individual have both copy of abnormal hemoglobin S they are referred as Sickle cell disease.



**KRISHNA IVF CLINIC**

# SICKLE CELL

# ANEMIA

## TYPES OF SICKLE CELL DISEASE

- ▶ Hemoglobin SS disease
- ▶ Hemoglobin SC disease
- ▶ Hemoglobin SB+  
thalassemia
- ▶ Hemoglobin SB 0  
thalassemia
- ▶ Hemoglobin SD, SE, SO

### INQUIRIES

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M

## GENE TESTING ARMS-PCR SEQUENCING

Test code: KIVFMG-004

Sample/Specimen:

8-10 ml Amniotic Fluid in  
two sterile 15 ml centrifuge  
tubes(pre-natal)/CVS(pre-  
natal)/2ml of EDTA blood

Shipment: Ship refrigerated  
immediately with cool packs  
do not freeze

Turn around Time: 72 hours  
from the day sample  
received in the laboratory

Note: please contact  
the lab before  
sending prenatal  
samples

Full gene sequencing-  
Sanger method using 3500  
Sequencing of specific  
mutation by Sanger method  
using 3500

Test code: KIVFMG-003

Sample/Specimen:

8-10 ml Amniotic Fluid in  
two sterile 15 ml centrifuge  
tubes(pre-natal)/CVS(pre-  
natal)/2ml of EDTA blood

Shipment: Ship refrigerated  
immediately with cool packs  
do not freeze

Turn around Time: 3-4 days  
from the day sample  
received in the laboratory