

## HPLC READY TO USE DIAGNOSTIC KIT FOR HPLC

*HEMOGLOBINE VARIANTS in Blood samples*

Catalog No: RC-HPB-K00100

Pack Size: 100 tests

Category: DIABETES AREA

End Point Method; UV/Vis reading

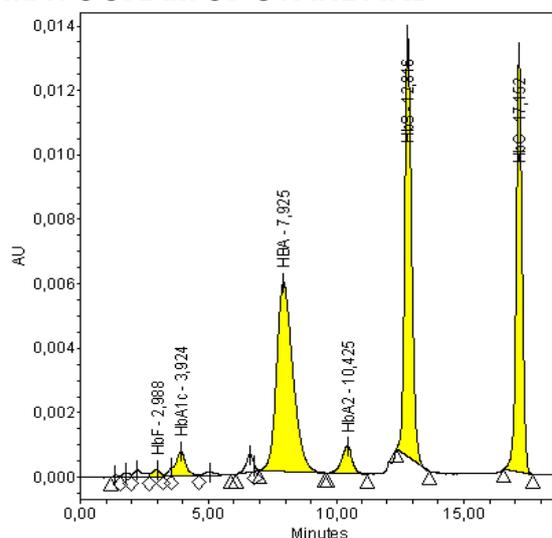
**HEMOGLOBINE VARIANTS;** Hemoglobinopathy is a kind of genetic defect that results in abnormal structure of one of the globin chains of the hemoglobin molecule. Common hemoglobinopathies include sickle-cell disease and thalassemia. Thalassemia is a quantitative problem of too few globins synthesized, whereas sickle-cell disease (a hemoglobinopathy) is a qualitative problem of synthesis of a non-functioning globin. Thalassemias usually result in under production of normal globin proteins, often through mutations in regulatory genes. Hemoglobinopathies imply structural abnormalities in the globin proteins themselves. The two conditions may overlap, however, since some conditions which cause abnormalities in globin proteins (hemoglobinopathy) also affect their production (thalassemia). Thus, some thalassemias are hemoglobinopathies, but most are not. Either or both of these conditions may cause anemia

The method allows to determine levels of HbF (Fetal), HbA2 (Glycated), HbS, HbC in Whole blood through chromatography determination with Binary gradient HPLC and UV/Vis detector.

### COMPOSITION:

Kit for 100 tests, include: Mobile phase A and B, Haemolysis Reagent. The Kit is characterized by an easy sample preparation. The proved kit components ensure a reliable and trouble-free analytics.

### CHROMATOGRAM OF STANDARD



**SAFETY PRECAUTIONS:**

1. This kit is for in vitro use only. Follow the working instructions carefully. KINESISDX and its authorized distributors shall not be liable for damages indirectly or consequentially brought about by changing or modifying the procedure indicated.
2. The expiration dates stated on the respective labels are to be observed. The same relates to the stability stated for reconstituted reagents.
3. Do not use or mix reagents from different lots.
4. Do not use reagents from other manufacturers.
5. Avoid time shift during pipetting of reagents.
6. All reagents should be kept at 2 - 8 °C before use in the original shipping container.
7. Some of the reagents contain small amounts of bromonitrodioxane (< 0.01 % w/w), methylisothiazolones (< 20 ppm) and sodium azide (< 0.05 %) as a preservative. They must not be swallowed or allowed to come into contact with skin or mucosae.
8. Since the kit contains potentially hazardous materials the following precautions should be observed:
9. Do not smoke, eat or drink while handling kit material.
10. Always use protective gloves,
11. Never pipette material by mouth,
12. Wipe up spills promptly, washing the affected surface thoroughly with a decontaminant.

THANK YOU FOR USING A KINESISDX PRODUCT !!!



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