Studies on dried blood specimens for hemoglobin A2 separation and
determination levels of -thalassemia carrier by high performance liquid
chromatography

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Abstract

The studies on dried blood specimens for hemoglobin A2 (Hb A2) separation
and determination levels of -thalassemia carrier were carried out by fully
automated HPLC. Five microlitre of EDTA blood at optimal Hb concentration 11.5
* 1.2 g/dL (Hb A2 > 3.5%) were equivalent to 7 millimetre in diameter of dried
blood specimen on filter paper giving an appropriate quantiation area of
chromatogram. The results showed that dried blood specimens from -thalassemia carrier were stable with minimal change of Hb A2 level up to 7 days
of storage at room temperature. The handling of dried blood specimen provides