

## **Dried Blood spot (DBS) - collection kit for sub-clinical deficiency of Vitamin A**

### **Salient features of the technology:**

- The DBS method for vitamin A is applied for assessing the sub-clinical prevalence of vitamin A deficiency.
- This can be utilized to evaluate national programmes such as the National programme of massive dose administration of vitamin A and serve to provide a basis for evidence-based recommendations.
- There is scope for using DBS samples for analysing multiple blood markers of micronutrients simultaneously.
- The dried spot is a convenient field-friendly method of sample collection. Reduces risk of infection. It can be transported from any part of the country to a laboratory for analysis of vitamin A by HPLC.
- Although developed on a laboratory scale, more than 6000 DBS have been analyzed for vitamin A.
- A set of DBS and serum samples were analyzed in the NIN DBS facility and at Craft Technologies, USA
- This technology has been developed by NIN, Hyderabad (an ICMR Institute).