

The World's First Alpha Thalassemia Immunochemical Strip Test

IC Strip Test for Alpha Thalassemia Detection

EASY, QUICK & COST-EFFECTIVE
HIGH SENSITIVITY & SPECIFICITY
NO EQUIPMENT NECESSARY

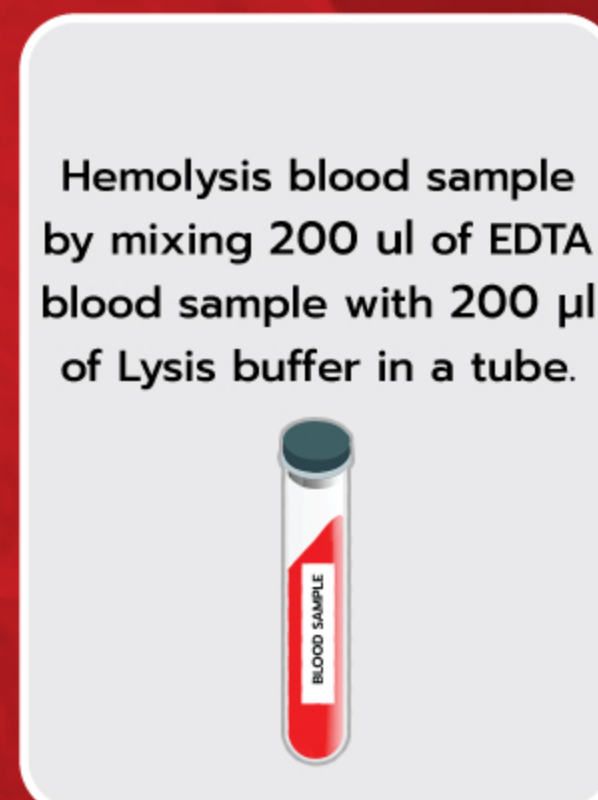
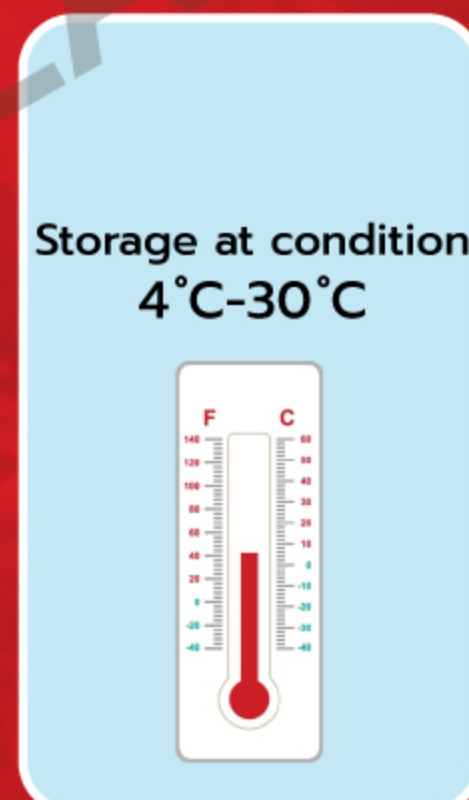
i+LAB

PERFORMANCE CHARACTERISTIC*

Types of Thalassemia and hemoglobinopathies	Results	Accuracy
1. α -thalassemia 1, Hb H and CSEA Bart's	Positive	>99.90%
2. Homozygous α -thalassemia 2	Positive	>99.90%
3. Heterozygous α -thalassemia 2	Positive	82.93%
4. Hb E Homozygote+Heterozygote	Negative	>99.90%
5. Beta thalassemia (all types)	Negative	74.42%
6. Normal	Negative	97.42%

Sensitivity: 96.41%* / Specificity: 95.47%

Note: *Sensitivity was calculated from the population of expected positive result of α -thalassemia 1 and α -thalassemia 2. In some cases, heterozygous α -thalassemia 2 has few amount of Hb Bart's that cannot be detected by this test. Tested performed by Prof. Suthat Fucharoen MD., Thalassemia Research Center, Institute of Science and Technology for Research and Development, Mahidol University, Salaya Campus, THAILAND



RESULTS

POSITIVE RESULT	NEGATIVE RESULT
Alpha thal 1 trait	Hb E trait
Alpha thal 2 Homozygous	Hb E Homozygote + Heterozygote
Hb H	Beta thal trait
Hb H-CS	normal persons
AEBart's	