

Thalassemia

- Defect in *globin* synthesis (Hemoglobin is made up of 4-globin proteins)
- Normally HbA contains 2-alpha & 2-beta globins
- Two types of thalassemia-- Alpha and Beta thalassemia

DIAGNOSIS - Hb ELECTROPHORESIS

Thal. Major - Hb F: 98 %

Hb A2: 2 %

HEMOGLOBIN	MAJOR	MINOR	NORMAL
Hb F	10-98%	variable	<1%
Hb A	Absent	80-90%	97%
Hb A2	variable	5-10% (increased)	1-3%