



Hemoglobin Electrophoresis Patterns for Various Hemoglobinopathies

Disease	A (%)	A2 (%)	F(%)	S (%)	MCV
Normal	>97	<3.5	0	0	>80
S trait	>50	<3.5	0	<50	>80
SS	0	<3.5	<10	>90	>80
Sβ ⁺ thal	10-30	>3.5	<20	>60	<75
Sβ ⁰ thal	0	>3.5	<20	>80	<80
SS αthal	0	<3.5	<10	>90	<75
SC	0	50*	<5	50	<80

*Hemoglobin C runs as Hemoglobin A2 on alkaline electrophoresis gel.

MCV = mean corpuscular volume.

From *MKSAP 14 Hematology, Hemoglobinopathies* module.