

Synthesis of Haemoglobin

→ Initiate by Proerythroblast [DEPTH OF BIOLOGY]

→ Continue till reticulocyte stage of the RBC.

A → Succ. Co. A + Glycine
↓ condense
5 aminoelvalnic } → Mitochondrion.

B → SCOA + Glycine → Pyrole Molecule

C → 4 Pyrole molecule → protoporphyrin IX

D → Protoporphyrin IX
+ Iron } → Heme Molecule

[DEPTH OF BIOLOGY]

E → Heme molecule
+ Globin } → Long Polypeptide chain
Synthesised by ribosome

F → Subunit of Hb. a Hb Chain (16000 MW)

G → 4 Molecule of this chain loosely combine and form

Hb Molecule. [DEPTH OF BIOLOGY]