

Table S1: list of end-points used in the paper and of the corresponding biological implications.

Biological events	End-point/ Assay
Cell metabolism and membrane homeostasis	Expression profiling
Total expansion of erythroid cells	Fold increase of cells in liquid culture over time
Number of progenitors recruited in the maturation process	Colony formation Semisolid cultures of primary cells
Generation/survival of progenitor cells in liquid culture	Number of progenitor cells in liquid culture Semisolid cultures of cultured cells over time
Proliferation potential of erythroblasts at day 10 of liquid culture	Proliferation rates of day 10 erythroblasts MTT assay
Apoptotic susceptibility of erythroblasts at day 10 of liquid culture	Apoptotic rates Acrydine Orange after growth factor starvation
Progress of the cultured erythroblasts along the maturation pathway	Flow cytometry for CD36/CD235a expression Maturation profile of cultured cells over time