

Table 4 Sensitivity and specificity of the reticulocyte count and reticulocyte index compared with the 4 criteria used for the diagnosis of iron deficiency in patients with sickle-cell disease

Criteria	Sensitivity (%)	Specificity (%)	Positive predictive value (%)
Serum iron $\leq 45 \mu\text{g/dL}$	100	88	53
Low MCV for age	100	71	27
TS $\leq 16\%$	100	97	83
TIBC $\geq 450 \mu\text{g/dL}$	100	93	67
Reticulocyte count $\leq 1\%$	40	97	83
Reticulocyte index ≤ 1	80	90	59

MCV = mean corpuscular volume; TS = transferrin saturation; TIBC = total iron binding capacity.