Supplementary File S2: Modified QUADAS tool

Domain 1: Patient selection	
A. Risk of bias	
Describe methods of patient selection:	
• **Was a consecutive or random sample of patients enrolled?**	Yes/No/Unclear
• **Did the study avoid inappropriate exclusions?**	Yes/No/Unclear
Could the selection of patients have introduced bias?	RISK: LOW/HIGH/UNCLEAR
B. Concerns regarding applicability	
Describe criteria for genotyping	
Is there concern that the included patients do not match the review question?	CONCERN: LOW/HIGH/UNCLEAR
Domain 2: DETERMINING GENOTYPE *(if more than 1 index test was used, please complete for each test)*	
A. Risk of bias	
Describe how genotype was identified	
• **Was genotype determined without knowledge of G6PD activity?**	Yes/No/Unclear
Could the conduct or interpretation of the index test have introduced bias?	RISK: LOW/HIGH/UNCLEAR
Domain 3: DETERMINING PHENOTYPE	
A. Risk of bias	
Describe the reference standard and how it was conducted and interpreted:	

• **Is the reference standard likely to correctly classify the target condition?**	Yes/No/Unclear
• **Were the reference standard results interpreted without knowledge of the results of the index test?**	Yes/No/Unclear
Could the reference standard, its conduct, or its interpretation have introduced bias?	RISK: LOW/HIGH/UNCLEAR
Domain 4: Flow and timing	
A. Risk of bias	
• **Was there an appropriate interval between sample collectionand spectrophotometry (<7days at 4°C)?**	Yes/No/Unclear
• **Did patients receive the same variuant determiantion and spectrophotometry ?**	Yes/No/Unclear
• **Were all patients included in the analysis?**	Yes/No/Unclear
Could the patient flow have introduced bias?	RISK: LOW/HIGH/UNCLEAR