

Table 8. GRADE Summary of Findings of Test Accuracy Results for Prevalence/Pre-Test Probability of 1%, 10%, and 40% for rapid isothermal NAAT and standard non-rapid laboratory-based NAAT vs. composite reference standard

	Rapid isothermal NAAT					Standard laboratory based NAAT		
Sensitivity	0.81 (95% CI: 0.75 to 0.86)					0.99 (95% CI: 0.97 to 1.00)		
Specificity	0.99.(95% CI: 0.96 to 1.00)					0.97 (95% CI: 0.93 to 0.99)		
Outcome	No of patients (studies)	Effect per 1,000 patients tested						Test accuracy CoE
		Pre-test probability of 1%		Pre-test probability of 10%		Pre-test probability of 40%		
		Rapid isothermal NAAT	Standard NAAT	Rapid isothermal NAAT	Standard NAAT	Rapid isothermal NAAT	Standard NAAT	
True positives (patients with SARS-CoV-2 infection)	576 (4)	8 (8 to 9)	10 (10 to 10)	81 (75 to 86)	99 (97 to 100)	324 (300 to 344)	8 (8 to 9)	⊕⊕○○ LOW
False negatives (patients incorrectly classified as not having SARS-CoV-2 infection)		2 (1 to 2)	0 (0 to 0)	19 (14 to 25)	1 (0 to 3)	76 (56 to 100)	2 (1 to 2)	
True negatives (patients without SARS-CoV-2 infection)	418 (4)	980 (950 to 990)	960 (921 to 980)	891 (864 to 900)	873 (837 to 891)	594 (576 to 600)	980 (950 to 990)	⊕⊕⊕○ MODERATE
False positives (patients incorrectly		10 (0 to 40)	30 (10 to 69)	9 (0 to 36)	27 (9 to 63)	6 (0 to 24)	10 (0 to 40)	

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classified as having SARS-CoV-2 infection)								
False positives (patients incorrectly classified as having SARS-CoV-2 infection)		10 (0 to 40)	30 (10 to 69)	9 (0 to 36)	27 (9 to 63)	6 (0 to 24)	10 (0 to 40)	

CoE: Certainty of evidence