

Table 1e. Antibody Performance, Weeks 1 and 2 – IgM or IgG

IgM or IgG	Week 1			Week 2		
Sensitivity	0.51 (95% CI: 0.42 to 0.59)			0.81 (95% CI: 0.77 to 0.84)		
Specificity	0.97 (95% CI: 0.95 to 0.98)					
Outcome	Effect per 1,000 patients tested					
	pre-test probability of 1% ^a	pre-test probability of 10% ^b	pre-test probability of 40% ^c	pre-test probability of 1% ^a	pre-test probability of 10% ^b	pre-test probability of 40% ^c
True positives (patients with COVID-19)	5 (4 to 6)	51 (42 to 59)	204 (168 to 236)	8 (8 to 8)	81 (77 to 84)	324 (308 to 336)
False negatives (patients incorrectly classified as not having COVID-19)	5 (4 to 6)	49 (41 to 58)	196 (164 to 232)	2 (2 to 2)	19 (16 to 23)	76 (64 to 92)
Quality of the evidence	7 studies, 830 patients ⊕⊕○○ LOW ^{d,e}			7 studies, 1996 patients ⊕⊕○○ LOW ^{d,e}		
	pre-test probability of 1% ^a		pre-test probability of 10% ^b		pre-test probability of 40% ^c	
True negatives (patients without COVID-19)	960 (941 to 970)		873 (855 to 882)		582 (570 to 588)	
False positives (patients incorrectly classified as having COVID-19)	30 (20 to 50)		27 (18 to 45)		18 (12 to 30)	
Quality of Evidence	11 studies, 5660 patients ⊕⊕○○ LOW ^{d,e}					

a. Typically seen in general population in areas that are not hotspots

b. Typically seen in general population in high risk populations

c. Typically seen in general population in exposed and nursing homes

d. The case-control design leads to a serious risk of bias

e. Unexplained inconsistency observed with considerably variable sensitivity. Sensitivity Ranges: C1: 0.09-0.79, C2: 0.46-0.

IDSA Guidelines on the Diagnosis of COVID-19: Serological Testing

