

Supplemental Table 1 Sensitivity of EUROIMMUN SARS-CoV-2

EUROIMMUN Borderline as (-)				
	<3	3 to 7	8 to 13	>14
Positive	0	2	12	41
Negative	12	18	11	7
Sensitivity (95% CI)	0.00% (0.00-26.47)	10.00% (1.24-31.70)	52.17% (30.59-73.18)	85.42% (72.24-93.93)

Supplemental Table 2 Imprecision of Abbott and EUROIMMUN SARS-CoV-2 Assays

		<u>Repeatability</u>				<u>Total Imprecision</u>			
		Mean ^a	SD	%CV	# Pos	Mean ^a	SD	%CV	# Pos
Abbott	Negative QC	0.55	0.01	9.30%	0/20	0.54	0.005	9.10%	0/20
	Positive QC	3.21	0.05	1.40%	20/20	3.2	0.05	1.40%	20/20
	Patient Pool	1.66	0.03	1.90%	20/20	1.7	0.03	1.90%	20/20
EUROIMMUN	Negative QC	0.16	0.01	7.34%	0/10	0.16	0.01	7.60%	0/9
	Positive QC	2.42	0.1	3.73%	0/10	2.44	0.1	4.16%	9/9
	Patient Pool	1.92	0.18	9.61%	0/10	1.7	0.21	12.25%	9/9

^a The units are a ratio of the specimen relative to an assay specific calibrator

Supplemental Table 3 Impact of Hemolysis, icterus, and lipemia on SARS-CoV-2 serologic assays

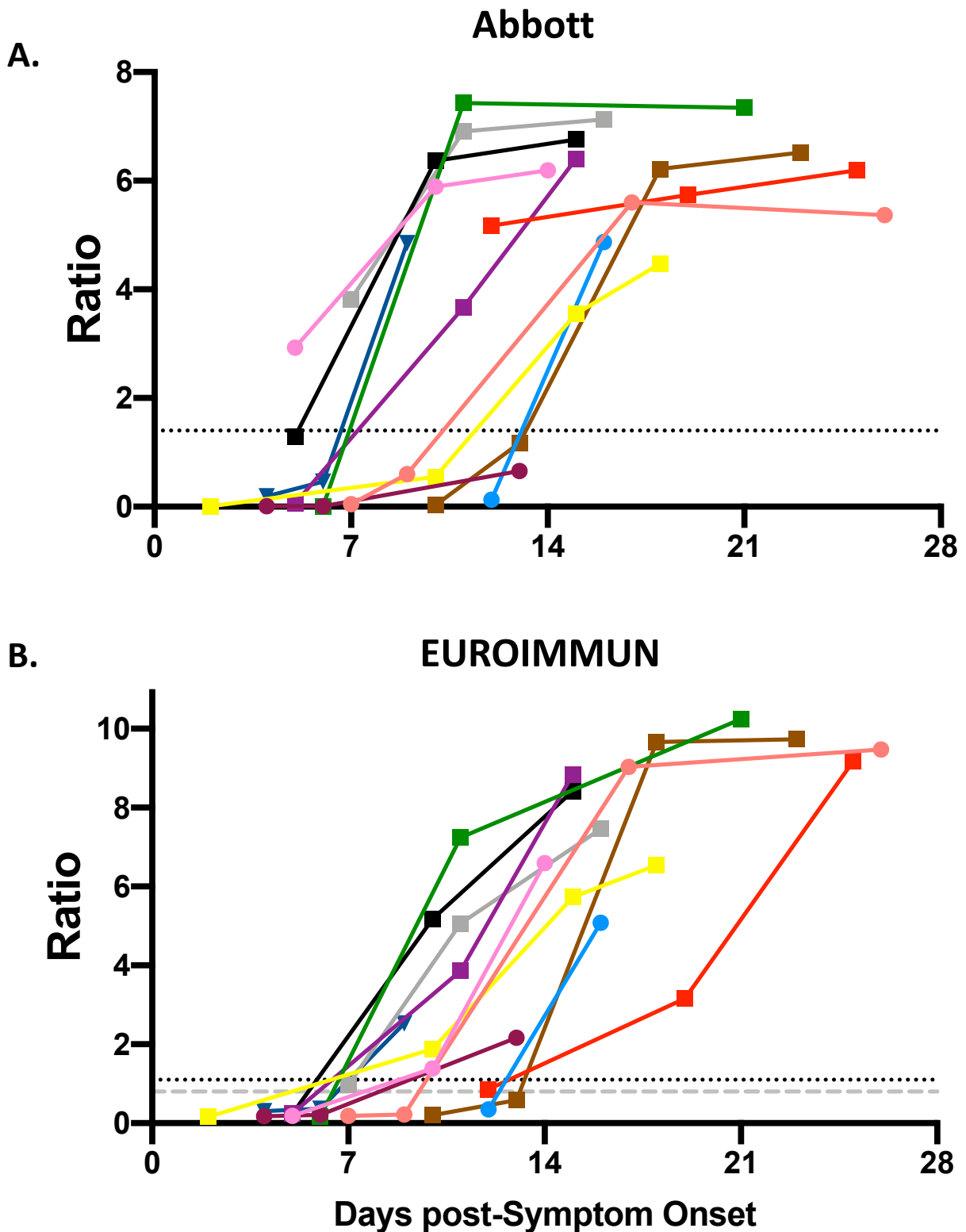
	Abbott		EUROIMMUN	
	<u>Result</u> ^a	<u>% of Original</u>	<u>Result</u> ^a	<u>% of Original</u>
Hemolysis Index ^b				
7	1.69	100.0%	1.90	100.0%
47	1.70	100.6%	1.83	96.3%
81	1.70	100.9%	1.87	98.4%
150	1.69	100.3%	1.63	85.8%
284	1.70	100.6%	1.87	98.4%
563	1.68	99.4%	1.68	88.4%
1089	1.70	100.6%	1.72	90.5%
Lipemic Index ^b				
20	1.71	100.0%	1.69	100.0%
51	1.67	97.7%	1.69	100.0%
76	1.70	99.1%	1.64	97.0%
132	1.71	99.7%	1.75	103.6%
241	1.68	98.2%	1.74	103.0%
568	1.68	98.2%	1.85	109.5%
1015	1.66	96.8%	1.85	109.5%
Icteric Index ^b				
1	1.86	100.0%	1.60	100.0%
3	1.83	98.4%	2.02	126.3%
5	1.80	97.0%	1.95	121.9%
9	1.81	97.3%	1.73	108.1%
17	1.79	96.5%	1.10	68.8%
41	1.83	98.4%	1.87	116.9%
66	1.86	100.3%	1.89	118.1%

^a The units are a ratio of the specimen relative to an assay specific calibrator

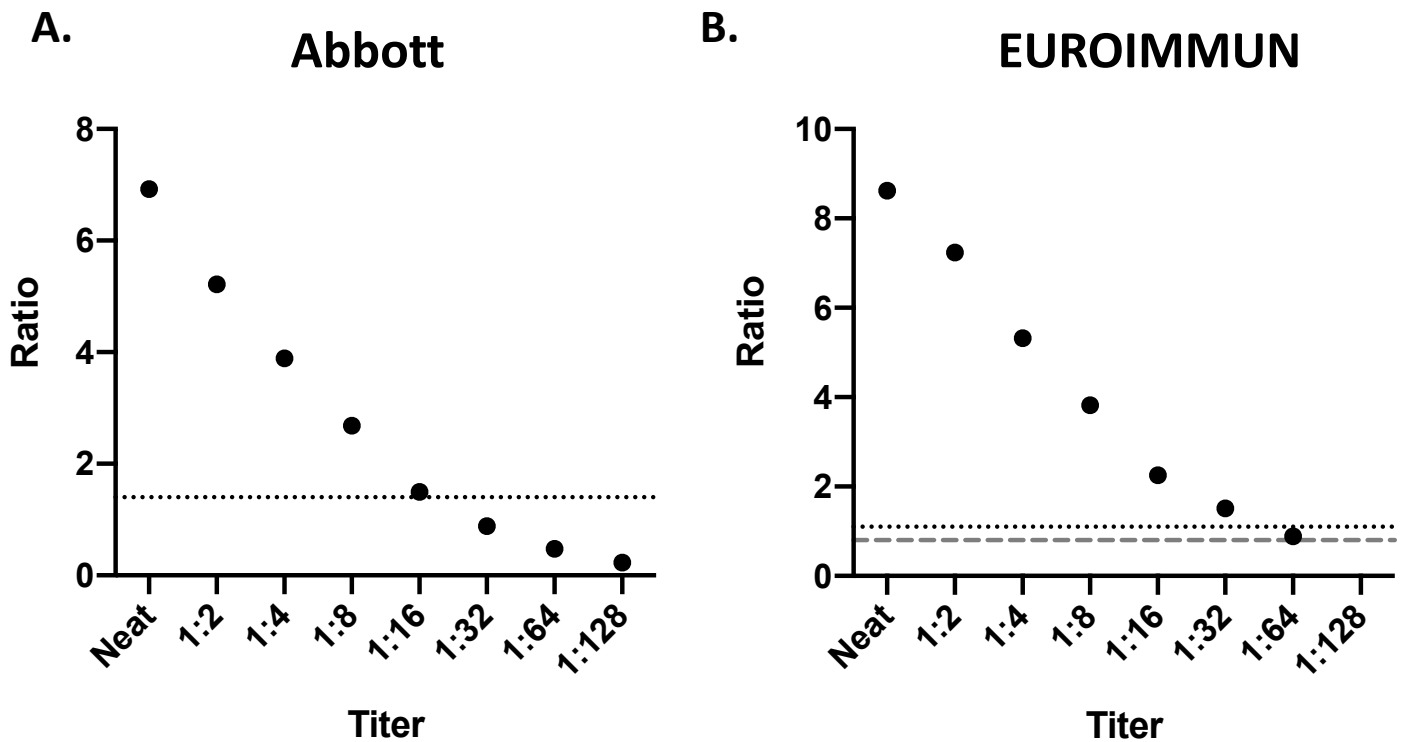
^b Hemolysis, icteric, and lipemic indices are all reported in arbitrary units

Supplemental Table 4 Carryover on Abbott Architect

Sample	Result	Low-Low Result	High-Low Result
Negative 1	0.02		
Negative 2	0.02	0.02	
Negative 3	0.02	0.02	
High 1	6.83		
High 2	6.84		
Negative 4	0.02		0.02
High 3	6.8		
High 4	6.81		
Negative 5	0.02		0.02
Negative 6	0.02	0.02	
Negative 7	0.02	0.02	
Negative 8	0.02	0.02	
High 5	6.72		
High 6	6.72		
Negative 9	0.02		0.02
High 7	6.91		
High 8	6.93		
Negative 10	0.02		0.02
High 9	6.84		
High 10	6.8		
Negative 11	0.02		0.02
Mean Negative	0.02	0.02	0.02



Supplemental Fig. 1. Seroconversion in 12 patients with serial samples. (A) Abbott SARS-CoV-2 IgG Immunoassay. Dotted line represents the cutoff off for positivity (Ratio ≥ 1.4). (B) EUROIMMUN Anti-SARS-CoV-2 IgG ELISA. Dotted line represents the cutoff off for positivity (Ratio ≥ 1.1). Dashed gray line represents cutoff for negativity (Ratio < 0.8). The color and shape of each point corresponds to a single patient measured serially with both assays.



Supplemental Fig. 2. Serial dilution curves for a single SARS-CoV-2 IgG positive patient. (A) Abbott SARS-CoV-2 IgG Immunoassay. Dotted line represents the cutoff off for positivity (Ratio ≥ 1.4). (B) EUROIMMUN Anti-SARS-CoV-2 IgG ELISA. Dotted line represents the cutoff off for positivity (Ratio ≥ 1.1). Dashed gray line represents cutoff for negativity (Ratio < 0.8). Due to limited reagent availability, the 1:128 dilution was not performed on the EUROIMMUN.