Supplementary Materials

Figure s7b. Test accuracy studies evaluating rapid RT-PCR test vs. single standard non-rapid lab-based NAAT or composite reference standard when available

Study	Index	Index Sample	Reference	Ref Sample	TN	FP	Spec	ficity	95%-CI
Hogan	Accula	NPS-VTM	LDT	NPS-VTM	50	0	- i	1.00 [0.9	33; 1.00]
Smith	BioFire	NPS-VTM	Aptima/BioFire/HPF	NPS-VTM	75	0		1.00 [0.9	
Liotti	BioFire	NS/OPS-NR	Quanty	NS/OPS-NR	34	0		1.00 [0.9	
Loeffelholz MJ	CXX	NPS/NPS&OPS/OPS/LRS-VTM	Abbott RT	NPS/NPS&OPS/OPS/LRS-VTM	10	0	-	1.00 [0.6	
Loeffelholz MJ	CXX	NPS/NPS&OPS/OPS/LRS-VTM	Allplex/GF RealAmp	NPS/NPS&OPS/OPS/LRS-VTM	44	0		1.00 [0.9	
Moran	CXX	NPS-VTM	Cobas	NPS-VTM	60	1	- i	0.98 [0.9	1; 1.00]
Smithgall	CXX	NPS-VTM	Cobas/CXX/ID Now	NPS-VTM	24	2		0.92 [0.7	
Lieberman	CXX	NPS-VTM	Cobas/CXX/UW-LDT	NPS-VTM	13	0	-	1.00 [0.7	
Zhen	CXX	NPS-VTM; MTS/NS-Dry	CXX/ePlex/HPF/ID Now	NPS-VTM; MTS/NS-Dry	51	0		1.00 [0.9	
Loeffelholz MJ	CXX	NPS/NPS&OPS/OPS/LRS-VTM	CXX/LDT-CDC/Quest	NPS/NPS&OPS/OPS/LRS-VTM	76	0		1.00 [0.9	35; 1.00]
Loeffelholz MJ	CXX	NPS/NPS&OPS/OPS/LRS-VTM	CXX/LDT/Roche E gene	NPS/NPS&OPS/OPS/LRS-VTM	26	1		0.96 [0.8	31; 1.00]
Stevens	CXX	NPS-VTM	HPF	NPS-VTM	50	1		0.98 [0.9	0; 1.00]
Wolters	CXX	NPS/MTS/OPS-VTM	LDT-CDC	NPS/MTS/OPS-VTM	30	0		1.00 [0.8	38; 1.00]
Hou	CXX	OPS-NR	NMPA	OPS-NR	127	5		0.96 [0.9	1; 0.99]
Loeffelholz MJ	CXX	NPS/NPS&OPS/OPS/LRS-VTM	NY-LDT/HPF/CXX	NPS/NPS&OPS/OPS/LRS-VTM	23	2		0.92 [0.7	4; 0.99]
Loeffelholz MJ	CXX	NPS/NPS&OPS/OPS/LRS-VTM	Realstar	NPS/NPS&OPS/OPS/LRS-VTM	69	0		1.00 [0.9	35; 1.00]
Visseaux	QIAstat	NPS-Dry	Cobas/LDT-WHO/QIAstat	NPS-Dry	18	1	-	0.95 [0.7	'4; 1.00]
Visseaux	QIAstat	NPS/LRS-VTM	LDT-WHO ± Cobas	NPS/LRS-VTM	9	0 -	-	1.00 [0.6	6; 1.00]
Random effects mod Heterogeneity: $I^2 = 42\%$		9, <i>p</i> = 1.00					· · · · · · · · · · · · · · · · · · ·	0.99 [0.9	7; 1.00]
				40 4 1 2	•		0.7 0.75 0.8 0.85 0.9 0.95 1	0.00/0.04	

12 studies, 802 patients; specificity based on bivariate model: 0.96 (0.94-0.98)