Figure s10b. Direct comparative test accuracy studies evaluating rapid isothermal NAAT test and standard non-rapid lab-based NAAT vs. composite reference standard

Study	Index	Index Sample	Reference	Ref Sample	TN FP	Specificity 95%-CI
Test: Isothermal NAAT Bulterys Moore Smithgall Zhen Random effects model Heterogeneity: $I^2 = 0\%$, τ^2	Atila iAMP ID Now ID Now ID Now N	NPS-VTM NPS-VTM NPS-VTM IPS-VTM; MTS/NS-Dry	Altona/Atila iAMP/LDT-CDC/LDT-SHC Abbott RT/ID now/LDT-CDC Cobas/CXX/ID Now CXX/ePlex/HPF/ID Now	NPS-VTM NPS-VTM NPS-VTM NPS-VTM; MTS/NS-Dry	53 0 79 0 26 0 51 0	1.00 [0.93; 1] 1.00 [0.95; 1] 1.00 [0.87; 1] 1.00 [0.93; 1] 1.00 [0.99; 1]
Test: Non-Rapid PCR Bulterys Moore Smithgall Zhen Random effects model Heterogeneity: $I^2 = 18\%$, τ Heterogeneity: $I^2 = 0\%$, τ^2	$p^2 = 0.0011, p = 0.0010$		Altona/Atila iAMP/LDT-CDC/LDT-SHC Abbott RT/ID Now/LDT-CDC Cobas/CXX/ID Now CXX/ePlex/HPF/ID Now	NPS-VTM NPS-VTM NPS-VTM NPS-VTM; MTS/NS-Dry	53 0 79 0 25 1 — 50 1	1.00 [0.93; 1] 1.00 [0.95; 1] 1.00 [0.95; 1] 0.96 [0.80; 1] 0.98 [0.90; 1] 1.00 [0.97; 1]
Test for subgroup differences: χ_1^2 = 0.75, df = 1 (p = 0.39) 0.85 0.9 0.95 1 4 studies, 418 patients; specificity based on bivariate model: isothermal NAAT 0.99 (0.96-1) vs. non-rapid PCR 0.97 (0.93-0.99)						