

S6 Table

Clinical Sensitivity and Specificity for *L. pneumophila* Antigenuria by Study Site

Site	Sensitivity ^a (%)		Specificity ^b (%)	
	ImmuView	BinaxNOW	ImmuView	BinaxNOW
UPenn ^c	91.8 (84.4 to 96.0)/98 ^d	93.8 (89.6 to 97.3)/98 ^e	100 (91.3 to 100)/49 ^f	100 (91.3 to 100)/49 ^g
SSI	80.0 (67.3 to 88.5)/55 ^d	66.7 (53.2 to 77.7)/54 ^e	99.5 (96.6 to 100)/178 ^f	98.9 (95.7 to 99.9)/178 ^g

^a mean (95% CI)/total patients with Legionnaires' disease; ^b mean (95% CI)/total patients

without Legionnaires' disease, many of whom had pneumococcal bacteremia, bacteremia caused by other bacteria or other respiratory pathogens isolated from sputum or lower respiratory specimens; ^c included in the UPenn Legionnaires' disease specimens, but omitted from the analysis were 7 urines from patients with Legionnaires' disease caused by *Legionella* spp other than *L. pneumophila* (*L. wadsworthii*, *L. bozemanii*, *L. longbeachae* SG1 (2)), or *L. pneumophila* serogroups other than serogroup 1 (SG 2, SG4 (2)); none were detected by either assay. In addition, also excluded from analysis are seven specimens from patients suspected of Legionnaires' disease because of a Legionnaires' disease outbreak or sporadic cases, and who had originally equivocal urine antigen assays and negative cultures. If these non- *L. pneumophila* serogroup 1 infections and suspect cases are included, UPenn test specificity is unchanged but both BinaxNOW and ImmuView sensitivity changed to 85.0 (76.7 to 90.3)/111; ^{d,e,f,g} p= 0.001, <0.0001, 1 and 1 by Fisher exact test, for d, e, f and g, respectively.