Supplementary Table V. Positive and negative predictive values (PPV and NPV) at varying prevalence levels/settings for MTB and drug resistance (RIF and INH) detection using PathoDetect™ MTB RIF & INH assay, with phenotypic drug-susceptibility test (pDST) as the reference standard

Proportion positive	Total	% Sensitivity	% Specificity	% PPV	%NPV
MTB in presumptive pulmonary TB					
52.6	688	98.1	94.2	94.9	97.8
40	688	98.1	94.2	91.8	98.6
30	688	98.1	94.2	87.9	99.1
25	688	98.1	94.2	84.9	99.3
20	688	98.1	94.2	80.9	99.5
15	688	98.1	94.2	74.9	99.6
10	688	98.1	94.2	65.3	99.8
5	688	98.1	94.2	47.1	99.9
RIF in confirmed TB cases					
31.1	502	86.5	91.6	82.3	93.8
20	502	86.5	91.6	72	96.4
15	502	86.5	91.6	64.5	97.5
10	502	86.5	91.6	53.4	98.4
8	502	86.5	91.6	47.2	98.7
5	502	86.5	91.6	35.1	99.2
3.0	502	86.5	91.6	24.2	99.5
INH in confirmed TB cases					
46.4	504	88.9	87	85.5	90
30	504	88.9	87	74.6	94.8
20	504	88.9	87	63.1	96.9
15	504	88.9	87	54.7	97.8
10	504	88.9	87	43.2	98.6
8	504	88.9	87	37.3	98.9
5	504	88.9	87	26.5	99.3
3	504	88.9	87	17.5	99.6

MTB, Mycobacterium tuberculosis; RIF, rifampicin; INH, isoniazid; NPV, positive predictive value; negative predictive value; PPV, TB, tuberculosis