

Performance status of sputum AFB smear and Stool *Mtb* PCR among culture-confirmed pulmonary TB.

		Sputum AFB smear	
		+	-
Stool <i>Mtb</i> PCR	+	28	31
	-	6	21

SUPPLEMENTAL FIGURE 1. 2 × 2 table performance of sputum acid-fast bacilli (AFB) smear and stool *Mycobacterium tuberculosis* (*Mtb*) polymerase chain reaction (PCR) among culture-confirmed pulmonary tuberculosis (TB) cases.

SUPPLEMENTAL TABLE 1

Performance of sputum Xpert, smear, and culture compared with stool *Mtb* PCR among children < 15 years of age

Age	HIV status	GXP result	Culture result	Stool <i>Mtb</i> PCR	Two-month stool <i>Mtb</i> PCR	Baseline AFB status	Two-month smear status
10.96	Positive	MTB detected	Positive	POS	NEG	Positive	Positive
9.62	Positive	MTB detected	Positive	NEG	NEG	Positive	Negative
13.75	Positive	MTB not detected	Negative	POS	NEG	UTC	UTC
14.14	Positive	MTB detected	Positive	POS	NEG	Positive	Negative
9.2	Negative	MTB not detected	Negative	NEG	POS	UTC	UTC
0.18	Negative	MTB detected	Positive	POS	NEG	Positive	Negative
5.23	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
7.62	Positive	MTB not detected	Not performed	NEG	NEG	UTC	UTC
0.62	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
10.85	Negative	MTB detected	Negative	NEG	NEG	Negative	Negative
1.33	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
4.1	Negative	MTB not detected	Negative	NEG	NEG	UTC	UTC
12.48	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
7.36	Negative	MTB not detected	Negative	POS	NEG	UTC	UTC
8.85	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
1.09	Negative	MTB not detected	Positive	SNC	SNC	UTC	UTC
8.95	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
12.47	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
1.31	Positive	MTB not detected	Not performed	NEG	NEG	UTC	UTC
7.14	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
1.02	Negative	MTB not detected	Negative	NEG	NEG	UTC	UTC
14.29	Positive	MTB not detected	Negative	SNC	NEG	UTC	UTC
3.99	Negative	MTB not detected	Negative	NEG	NEG	UTC	UTC
8.88	Positive	MTB not detected	Negative	SNC	NEG	UTC	UTC
11.88	Positive	MTB detected	Positive	NEG	NEG	Negative	Negative
2.63	Negative	MTB detected	Not performed	NEG	NEG	Negative	Negative
5.51	Negative	MTB detected	Not performed	POS	NEG	UTC	UTC
4.45	Negative	MTB not detected	Not performed	NEG	NEG	UTC	UTC
14.15	Negative	MTB not detected	Negative	NEG	NEG	UTC	UTC
12.09	Positive	MTB detected	Positive	POS	SNC	Positive	Negative
3.07	Negative	MTB not detected	Negative	NEG	NEG	UTC	UTC
8.21	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
2.96	Positive	MTB not detected	Negative	SNC	NEG	UTC	UTC
1.23	Negative	MTB not detected	Not performed	NEG	NEG	UTC	UTC
0.85	Negative	MTB not detected	Negative	SNC	SNC	UTC	UTC
3.16	Negative	MTB not detected	Negative	SNC	SNC	UTC	UTC
4.41	Negative	MTB not detected	Negative	NEG	NEG	UTC	UTC
7.84	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
2.21	Positive	MTB not detected	Negative	NEG	NEG	UTC	UTC
2.54	Negative	MTB not detected	Negative	NEG	NEG	UTC	UTC
6.88	Positive	MTB not detected	Negative	SNC	NEG	UTC	UTC
4.45	Negative	MTB not detected	Negative	NEG	SNC	UTC	UTC
8.91	Positive	MTB not detected	Negative	NEG	POS	UTC	UTC
4.4	Positive	MTB not detected	Not performed	NEG	NEG	UTC	UTC
14.28	Negative	MTB detected	Not performed	NEG	NEG	Negative	Negative
Median: 6.8 years	Positive: 25	MTB detected: 10	Positive: 7	POS: 7	POS: 2	Positive: 5	Positive: 1
	Negative: 20	MTB not detected: 35	Negative: 30	NEG: 31 SNC: 7	NEG: 38 SNC: 5	Negative: 4 UTC: 36	Negative: 8 UTC: 36

AFB = acid-fast bacilli; GX = Gene Xpert; *Mtb* = *Mycobacterium tuberculosis*; PCR = polymerase chain reaction; UTC = unable to collect.

SUPPLEMENTAL TABLE 2

Performance of baseline and 2-month AFB smear and stool PCR compared with phenotypic drug resistance

Age	HIV status	GXP result	Culture	Phenotypic drug susceptibility testing	Two-month stool <i>Mtb</i> PCR	Two-month smear status	INH sensitivity	RIF sensitivity	ETH sensitivity
10.96	Positive	MTB detected	Positive	MDR PAN	NEG	Positive+	Resistant	Resistant	Resistant
13.75	Positive	MTB not detected	Negative	Culture negative	NEG	NC	NA	NA	NA
19.34	Negative	MTB detected	Positive	MDR PAN	POS	Negative	Resistant	Resistant	Resistant
44.82	Positive	MTB detected	Positive	Contaminated	Deceased	Negative	NA	NA	NA
37.65	Positive	MTB not detected	Negative	Culture negative	Deceased	NC	NA	NA	NA
34.25	Positive	MTB detected	Positive	Sensitive	POS	Negative	Sensitive	Sensitive	Sensitive
36.11	Positive	MTB not detected	Negative	Culture negative	NEG	NC	NA	NA	NA
28.91	Positive	MTB detected	Not performed	NA	Deceased	Negative	NA	NA	NA
53.33	Positive	MTB detected	Not performed	NA	Deceased	Negative	NA	NA	NA
23.49	Negative	MTB detected	Positive	MDR PAN	NEG	Negative	Resistant	Resistant	Resistant
19.78	Positive	MTB detected	Positive	Sensitive	POS	Negative	Sensitive	Sensitive	Sensitive
35.38	Positive	MTB detected	Positive	INH mono resistance	SNC	Negative	Resistant	Sensitive	Sensitive
32.47	Positive	MTB detected	Positive	INH mono resistance	SNC	Positive++	Resistant	Sensitive	Sensitive
58.58	Negative	MTB detected	Positive	Sensitive	POS	Negative	Sensitive	Sensitive	Sensitive
26.78	Positive	MTB detected	Positive	Sensitive	POS	Negative	Sensitive	Sensitive	Sensitive
9.2	Negative	MTB not detected	Negative	Culture negative	POS	NC	NA	NA	NA
17.51	Positive	MTB not detected	Negative	Culture negative	POS	NC	NA	NA	NA
46.66	Negative	MTB detected	Positive	Contaminated	POS	Negative	Contaminated		
31.25	Positive	MTB detected	Positive	Poly-R	POS	Positive++	Resistant	Sensitive	Resistant

AFB = acid-fast bacilli; ETH = ethambutol; GX = Gene Xpert; INH = isoniazid; *Mtb* = *Mycobacterium tuberculosis*; NA = not applicable; Pan MDR = pan-resistant multidrug-resistant to all first line drugs; PCR = polymerase chain reaction; UTC = unable to collect.