

Supplementary table 1: Characteristics of the included studies

Study	Country	Study design	No of participants*	Age in years (median/mean)	HIV status (% HIV +ve)	Specimen type for reference standard	Reference standard	Index test/s	Type of culture media used for reference/index test
Kokuto 2015 (30)	Japan	Retrospective case control	93	Median: 59.6	0%	Sputum	Culture or molecular diagnostics (TRC)	Culture, Microscopy, Xpert MTB/RIF	MGIT, 2% Ogawa
Konno 2019 (31)	Japan	Retrospective investigation	187	Mean: 74	3.7%	Sputum	Culture, or microscopy	Culture, Microscopy, TRC Rapid	MGIT, 2% Ogawa
Liu 2019 (32)	China	Cross sectional	65	Median: 42	Not reported	Transtracheal aspirate sputum	Culture	Xpert MTB/RIF	MGIT
Oramasionwu 2013 (33)	Cambodia, Thailand, Viet Nam	Cross sectional	94**	Median: 29	100%	Sputum	Culture	Culture	Lowenstein Jensen or BACTEC MGIT 960 or BACTEC 9050/9120
Rahman 2018 (34)	Bangladesh	Case control	102	Mean: 33.4 (PTB)	Not reported	Sputum	Culture	Culture, Microscopy, Xpert MTB/RIF	Lowenstein Jensen
Abaye 2017 (35)	Ethiopia	Cross sectional	117	Mean: 34.5	100%	Sputum	Culture	Culture, Microscopy, Region of Difference (RD)9-PCR	Lowenstein Jensen
DiNardo 2018 (36)	Swaziland	Cross sectional	106	Median: 32	68% (PTB)	Sputum (expectorate /induced)	Culture	Quantitative PCR (qPCR)	Middlebrook 7H9
Musisi 2022 (37)	Uganda	Cross sectional	100	Median: 34	35%	Sputum	Culture	Culture, Microscopy, Xpert ultra, TB-MBLA	MGIT, Lowenstein Jensen
ElKhechine 2009 (38)	France	Cross sectional	134	Mean: 37 (PTB)	Not reported	Sputum	Culture or microscopy and real-time PCR	Culture, Microscopy, IS6110 PCR	BACTEC, Lowenstein Jensen

\*Implied only bacteriologically confirmed positive PTB or negative TB cases; \*\* excluded cases with positive culture on both sputum and non-stool extrapulmonary sample