

**Table S2.** Main characteristics of the included studies in humans.

First author's last name/ Pub year (Ref)	Country	Diagnostic Method	Human Development	Level of Income	Sample size	Infected Total	Score
<b>Rabeneck, I.et.al.(1993) [66]</b>	NA	Microscopic examination	NA	NA	106	31	3
<b>Field, A. S.et.al.(1993) [19]</b>	Australia	Microscopic examination	Very high	High	240	40	5
<b>Wuhib, T.et.al.(1994) [94]</b>	Brazil	PCR	High	Upper-middle	72	3	4
<b>van Gool, T.et.al.(1995) [88]</b>	Zimbabwe	Microscopic examination	Medium	Upper-middle	202	14	5
<b>Franzen, C.et.al.(1995) [21]</b>	Germany	PCR	Very high	Lower-middle	13	8	3
<b>Franzen, C.et.al.(1996) [20]</b>	Cameroon	PCR	Medium	High	23	17	3
<b>Coyle, C. M.et.al.(1996) [13]</b>	Spain	PCR	Very high	Upper-middle	111	26	4
<b>Clarridge, J. E., 3rd.et.al.(1996) [10]</b>	Germany	Immunological detection	Very high	High	46	15	5
<b>Del AC.et.al(1997) [14]</b>	China	PCR	High	Low	83	1	4
<b>Cotte, L.et.al.(1999) [12]</b>	France	PCR	Very high	High	1454	338	5
<b>Brasil, P.et.al.(2000) [7]</b>	Nigeria	Microscopic examination	Low	Upper-middle	40	11	3
<b>Muller, A.et.al.(2001) [53]</b>	NA	PCR	NA	High	148	7	3
<b>Lebbad, M.et.al.(2001) [36]</b>	Australia	PCR	Very high	Low	52	3	4
<b>Ferreira, F. M.et.al.(2001) [18]</b>	Portugal	Immunological detection	Very high	High	860	69	5
<b>Tumwine, J. K.et.al.(2002) [86]</b>	Spain	PCR	Very high	Upper-middle	47	8	4
<b>Lores, B.et.al. (2002) [45]</b>	Uganda	PCR	Low	Upper-middle	2446	422	5
<b>Alfa CO.et.al.(2002) [3]</b>	Yemen	PCR	Low	Low	61	8	4
<b>Sulaiman, I. M.et.al.(2003) [81]</b>	Peru	Microscopic examination	High	Upper-middle	2672	105	5
<b>Abreu-Acosta, Néstor.et.al.(2005) [1]</b>	Iran	IFAT	High	High	273	25	5
<b>Espern, A.et.al.(2007) [17]</b>	Brazil	Microscopic examination	High	Lower-middle	1580	47	5
<b>Breton, J.et.al.(2007) [8]</b>	Viet Nam	Microscopic examination	High	High	270	27	5
<b>Pagornrat, W.et.al.(2009) [58]</b>	Thailand	IFAT	Very high	Upper-middle	621	75	5
<b>Tuli, L.et.al.(2010) [85]</b>	Czechia	PCR	Very high	High	115	22	4
<b>Sak, B.et.al.(2010) [70]</b>	India	Microscopic examination	Medium	Low	450	104	5
<b>Zhang, X.et.al.(2011) [104]</b>	Czechia	PCR	Very high	High	430	9	5
<b>Xu N.(2011) [96]</b>	Czechia	IFA	Very high	Upper-middle	15	7	5
<b>Sokolova, O. I.et.al.(2011) [80]</b>	Russia	PCR	Very high	Upper-middle	159	2	4
<b>Sak, B.et.al.(2011a) [69]</b>	China	PCR	High	High	40	9	4
<b>Sak, B.et.al.(2011b) [71]</b>	China	NA	High	Upper-middle	1996	1	5
<b>Pavie, J.et.al.(2012) [59]</b>	Nigeria	PCR	Low	Lower-middle	193	8	4
<b>Ojuromi, O. T.et.al.(2012) [57]</b>	France	PCR	Very high	High	143	6	4
<b>Wang, L.Zhang, H.et.al.(2013) [91]</b>	Malaysia	PCR	Very high	Lower-middle	447	67	5

Wang, L.et.al.(2013) [92]	China	PCR	High	Upper-middle	573	24	5
Shahrul Anuar, T.et.al.(2013) [76]	China	PCR	High	Upper-middle	1366	68	5
Halanova M.et.al.(2013) [26]	Slovakia	Microscopic examination	Very high	Upper-middle	72	3	4
Yang, J.et.al.(2014) [99]	China	PCR	High	Low	252	34	5
Lobo, M. L.(2014) [44]	Sao Tome and Principe	PCR	Medium	Upper-middle	348	26	5
Liu, H.et.al.(2014) [43]	China	PCR	High	Upper-middle	255	19	5
Ayinmode, A. B.et.al.(2014) [4]	Mali	IFA	Low	Lower-middle	132	10	4
Xie ronghua et.al.(2015) [77]	Gabon	PCR	High	Upper-middle	200	8	5
Liu H.(2015) [35]	India	PCR	Medium	NA	272	16	4
Hamamc, B.et.al.(2015) [56]	Türkiye	PCR	Very high	Lower-middle	123	10	4
Ghoshal, U.et.al.(2015) [46]	China	NA	High	Upper-middle	252	34	5
?etinkaya, ü.et.al.(2015) [93]	China	NA	High	Upper-middle	152	8	4
Ndzi, E. S.et.al.(2016) [60]	Cameroon	PCR	Medium	Lower-middle	196	12	4
Kicia, M.et.al.(2016) [42]	Guinea-Bissau	PCR	Low	High	86	5	3
Wang, T.et.al.(2017) [64]	China	NA	High	Low	285	33	5
Qiu luyao et.al.(2017) [16]	Thailand	PCR	Very high	Upper-middle	277	15	5
Prasertbun, R.et.al.(2017) [106]	China	PCR	High	Upper-middle	500	1	5
Liu, H.et.al.(2017) [97]	China	PCR	High	Upper-middle	124	9	4
Zhang, Y.et.al.(2018) [25]	Australia	PCR	Very high	High	605	8	5
Liu J.(2018) [24]	Niger	PCR	Low	Lower-middle	93	11	4
Ding, S.et.al.(2018) [100]	China	PCR	High	Upper-middle	426	1	5
Yu, F.et.al.(2019) [90]	Iran	PCR	High	Lower-middle	102	2	4
Xu N.(2019) [87]	Thailand	PCR	Very high	Upper-middle	697	15	5
Velásquez, J. N., T.et.al.(2019) [61]	Thailand	PCR	Very high	Lower-middle	200	2	5
Udonsom, R.et.al.(2019) [48]	Argentina	PCR	Very high	Upper-middle	143	16	4
Prasertbun, R.et.al.(2019) [30]	China	PCR	High	Upper-middle	2284	27	5
Masoumi-Asl, H.et.al.(2019) [32]	Iran	NA	High	High	132	10	3
Halánová, M.et.al.(2019) [79]	Slovakia	Immunological detection	Very high	High	161	17	4
Ghoyounchi, R.et.al.(2019) [62]	China	PCR	High	NA	619	3	5
Shen, Y.et.al.(2020) [51]	Mozambique	PCR	Low	NA	1247	9	5
Muadica, A. S..et.al.(2020) [33]	China	PCR	High	Upper-middle	609	36	5
Karimi.et.al.(2020) [22]	Myanmar	PCR	Medium	Upper-middle	172	15	4
Ismail, Khadiga Ahmed(2020) [78]	Poland	PCR	Very high	NA	600	10	5
Qi, M. et.al.(2020) [72]	India	NA	Medium	Lower-middle	120	22	3
Sutthikornchai, C.et.al.(2021) [50]	France	PCR	Very high	High	456	5	5

<b>Shehab, A. Y.et.al.(2021) [83]</b>	south Africa	PCR	High	Upper-middle	170	56	4
<b>Samie, A.et.al.(2021) [31]</b>	Egypt	PCR	High	Lower-middle	100	20	4
<b>Moniot, M.et.al.(2021) [2]</b>	Thailand	PCR	Very high	Lower-middle	254	4	5
<b>Kaya, F.et.al.(2021) [54]</b>	India	NA	Medium	Lower-middle	101	2	3
<b>Ghoshal, U.et.al.(2021) [69]</b>	Türkiye	Immunological	Very high	Upper-middle	100	4	4
<b>Naguib, D.et.al.(2022) [71]</b>	Egypt	<i>detection</i> PCR	High	Lower-middle	585	27	5
<b>Al-Brhami, K. A. R.et.al.(2022) [91]</b>	Spain	Microscopic	Very high	NA	402	57	5
<b>Karim, M. R.et.al.(2022) [92]</b>	Bangladesh	<i>examination</i> PCR	Medium	Upper-middle	299	19	5