

Table 1 characteristics of the included 14 studies.

Author	Year	Selected time	Study design	Sepsis diagnosis	Region	Early /Late	Case/C ontrol	T P	F P	F N	T N	SE	SP	Cut off	Neonates
R H Ruslie [1]	2018	2016-2017	Retrospective	Blood culture	USA	EOS、 LOS	52/42	32	14	20	28	61.5	66.7	9.4	A、 B、 C
Senem Alkan Ozdemir [2]	2017	2014-2015	Prospective	Blood culture	Turkey	LOS	52/75	38	16	14	58	73	78	1.77	A
Ori Goldberg [3]	2020	2016-2019	Retrospective	Blood culture	Israel	LOS	31/62	26	13	5	49	83.9	79	1.5	A、 B、 C
Rocky Wilar, MD [4]	2018	2017-2017	Cross-sectional study	Blood culture	Indonesia	EOS	90/30	75	2	15	28	83.3	93.3	1.24	A、 B、 C
Khadijah Rizky Sumitro [5]	2021	2019-2019	Cross-sectional study	Blood culture	Indonesia	EOS、 LOS	52/52	42	30	10	22	80.8	42.3	2.12	A、 B、 C
Xiaoyu Du [6]	2019	2015-2017	Retrospective	Blood culture	China	EOS、 LOS	58/30	43	6	15	24	73.3	81	0.7	NA
Shujian Zhang [7]	2021	2018-2020	Descriptive study	Blood culture	China	EOS	74/50	57	11	17	39	77	78	3.16	A、 B、 C
Santosh K. Panda [8]	2021	2018-2018	Retrospective	Blood culture	Philippines	EOS、 LOS	41/52	28	28	13	24	68.3	46.2	1.7	A、 B、 C
Emrah Can, MD [9]	2017	2015-2017	Prospective	Blood culture	Turkey	EOS	78/44	76	0	2	44	97.4	100	6.76	B
Nagwa Mohamed, SAM [10]	2020	2018-2019	Prospective	Blood culture	Egypt	EOS	40/40	27	0	13	40	67	99	0.1	B
Sara Mohamed Mira [11]	2021	2018-2019	Retrospective	Blood culture	Egypt	EOS	60/60	43	0	17	60	72	100	1	A、 B
Ipek Guney Varal [12]	2020	2016-2018	Retrospective	Blood culture	Turkey	LOS	76/40	52	7	24	33	68	82	1.57	A
Heriyanto Lim [13]	2021	2018-2018	Retrospective	Blood culture	Indonesia	EOS、 LOS	22/62	18	21	4	41	81.8	66.1	2.31	A、 B

Abdullah Kurt [14]	2022	2016-2018	Retrospective	Blood culture	Turkey	EOS、	57/77	5	1	52	76	8.8	98.7	4.79	NA
						LOS									
						EOS	20/77	3	1	17	76	15	98.7	4.79	
						LOS	37/77	2	1	35	76	5.4	98.7	4.94	

Note: EOS: Early-onset sepsis, LOS: Late-onset sepsis, A: Preterm, B: Term, C: Late term, NA:Not Available, TP: true positive, FP: false positive, TN: true negative, FN: false negative, SEN: sensitivity, SPE: specificity.

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