

References

26. Clark JA, Kean IRL, Curran MD, et al. Rapid Assay for Sick Children with Acute Lung infection Study (RASCALS): diagnostic cohort study protocol. *BMJ Open* 2021;11:e056197.

Table S1 Configuration of the diagnostic TaqMan array card

Type	Target	Number of assays	
Bacterial	16S rRNA gene*	2	
	<i>Acinetobacter baumannii</i>	3	
	<i>Bacteroides fragilis</i>	1	
	<i>Bordetella pertussis</i>	2	
	<i>Chlamydia pneumoniae</i>	1	
	<i>Chlamydia psittaci</i>	1	
	<i>Coxiella burnetii</i>	1	
	<i>Elizabethkingia meningoseptica</i>	2	
	<i>Enterobacter cloacae</i>	2	
	<i>Enterobacteriaceae</i>	1	
	<i>Enterobacteriaceae proteus</i>	1	
	<i>Enterococcus faecalis</i> *	1	
	<i>Enterococcus faecium</i> *	2	
	<i>Escherichia coli</i>	2	
	<i>Haemophilus influenzae</i>	2	
	<i>Klebsiella pneumoniae</i>	2	
	<i>Legionella pneumophila</i>	1	
	<i>Legionella</i> spp.	1	
	<i>Moraxella catarrhalis</i>	1	
	<i>Morganella morganii</i>	1	
	<i>Mycobacterium</i> spp.	1	
	<i>Mycoplasma pneumoniae</i>	2	
	<i>Mycobacterium tuberculosis</i>	2	
	<i>Neisseria meningitidis</i>	1	
	<i>Pseudomonas aeruginosa</i>	2	
	<i>Serratia marcescens</i>	2	
	<i>Staphylococcus aureus</i>	2	
	<i>Staphylococcus</i> —coagulase negative	1	
	<i>Staphylococcus epidermidis</i>	1	
	<i>Staphylococcus</i> —PVL toxin	1	
	<i>Stenotrophomonas maltophilia</i>	1	
	<i>Streptococcus pneumoniae</i>	2	
	<i>Streptococcus pyogenes</i>	2	
	<i>Streptococcus</i> spp.	2	
	Viral	<i>Adenovirus</i>	2
		<i>Bocavirus</i>	1
		<i>Cytomegalovirus</i>	1
		<i>Epstein Barr virus</i>	1
		<i>Enterovirus</i>	2
		<i>Herpes simplex virus</i>	2
		Human coronavirus NL63	1
		Human coronavirus OC43/HKU1	1
		Human coronavirus OC43	1
Human coronavirus 229E		1	
<i>Human metapneumovirus</i>		1	
<i>Human parainfluenza virus 1</i>		2	
<i>Human parainfluenza virus 2</i>		1	
<i>Human parainfluenza virus 3</i>		2	
<i>Human parainfluenza virus 4</i>		1	
<i>Influenza A</i>		2	
Influenza A—H1 [2009]		1	
Influenza A—H3		1	
<i>Influenza B</i>		2	
<i>Parechovirus</i>		1	
<i>Respiratory syncytial virus</i> (any)		1	
Respiratory syncytial virus A		1	
Respiratory syncytial virus B		1	
<i>Rhinovirus</i>	2		
Fungal	<i>Aspergillus</i> 28S rRNA gene	2	
	<i>Aspergillus fumigatus</i>	1	
	<i>Candida albicans</i>	1	
	<i>Candida</i> spp.	1	
	Fungal 18S rRNA gene	1	
	<i>Pneumocystis jirovecii</i>	1	
AMR gene	<i>mecA</i>	1	
Controls	18S rRNA gene	1	
	MS2 internal control	2	
	RNase P internal control	1	
Total wells	—	96	

Adapted from Clark *et al.* (26). *, in enrolments occurring from 5 February 2021 onwards, these assays were replaced with targets for SARS-CoV-2, *Leptospira* and *Legionella* spp. AMR, antimicrobial resistant; PVL, Pantone-Valentine leukocidin.