Supplementary file 1. The details of the search strategy

Search by PubMed	performed on	June 3, 2020
Search of I addited	periorniea on	5 and 5, 2020

	Search terms	Number
#1	pneumococcal infections[mh]	20,513
#2	"Pneumonia, Pneumococcal"[mh]	5,098
#3	streptococcus pneumonia* [tiab]	24,663
#4	#1 OR #2 OR #3	36,152
#5	"Antigens"[Mesh]	1,047,961
#6	antigen[tiab]	452,063
#7	#5 OR #6	1,241,294
#8	urine[mh]	37,170
#9	urin*[tiab]	487,503
#10	#8 OR #9	495,249
#11	#7 AND #10	18,163
#12	"Sputum"[Mesh]	21,271
#13	"Blood Culture"[Mesh]	859
#14	"Polymerase Chain Reaction"[Mesh]	446,802
#15	#11 OR #12 OR #13 OR #14	484,920
#16	#4 AND #15	2,253
#17	animals[mh] NOT (animals[mh] AND humans[mh])	4,704,796
#18	#16 NOT #17	2,152

Search by CENTRAL performed on June 3rd, 2020

	Search terms	Number
#1	[mh "pneumococcal infections"]	188
#2	[mh "Pneumonia, Pneumococcal"]	163
#3	streptococcus pneumonia*:ti,ab	1382
#4	penumococcal:ti,ab	3
#5	#1 OR #2 OR #3 OR #4	1557
#6	[mh Antigens]	14056
#7	antigen*:ti,ab	16332
#8	#6 OR #7	26376
#9	[mh Urine]	639
#10	urin*:ti,ab	58834

#11	#9 OR #10	58991
#12	#8 AND #11	1382
#13	#5 AND #12	27
#14	[mh animals] NOT ([mh animals] AND [mh humans])	6797
#15	#13 NOT #14	27