

Supplementary Table 1 Drug concentration ranges in antimicrobial susceptibility testing

Antibiotic	Tested range (mg/L)
imipenem	0.06-128
meropenem	0.06-128
aztreonam	0.5-128
cefazidime	0.125-128
ceftriaxone/avibactam	0.125-128, avibactam fixed at 4
cefepime	0.06-128
levofloxacin	0.06-128
piperacillin/tazobactam	piperacillin 0.125-256, tazobactam fixed at 4
ciprofloxacin	0.0015-128
polymyxin B	0.06-128
amikacin	0.125-128

Supplementary Table 2 *P. aeruginosa* strains isolated from environments

Date of isolation	Related patient room	Strain ID	Detailed position	ST	CRPA
2022.11.7	1	E041B	Computer keyboard and mouse	207	no
2022.11.7	1	E041G	Sink in the patient toilet	108	no
2022.11.7	2	E043C	Ventilator	108	no
2022.11.7	4	E044E	Bed rails	207	no
2022.11.7	5	E045B	Computer keyboard and mouse	207	no
2022.11.7	6	E046D	Sink in the patient room doorway	207	no
2022.11.7	6	E046G	ECU monitor, infusion pump, vaporizer and hanging tower	207	no
2022.11.7	7	E047B	Computer keyboard and mouse	207	no
2022.11.7	7	E047C	Ventilator	207	no
2022.11.7	7	E047E	Bed rails	207	no
2022.11.7	7	E047F	Operation tablet	207	no
2022.11.7	8	E048A	Sink in the patient room doorway	773	no
2022.11.7	8	E048D	ECU monitor, infusion pump, vaporizer and hanging tower	207	no
2022.11.7	8	E048E	Bed rails	207	no
2022.11.7	10	E050C	Ventilator	207	no
2022.11.7	10	E050F	Bed rails	108	no
2022.11.7	10	E050G	Bed rails	108	no
2022.11.7	10	E050P	Operation tablet	108	no
2022.11.7	11	E051B	Computer keyboard and mouse	248	no
2022.11.7	11	E051E	Bed rails	108	no
2022.11.7	11	E051G	Sink in the patient toilet	2740	yes
2022.11.7	13	E053D	ECU monitor, infusion pump, vaporizer and hanging tower	207	no
2022.11.7	14	E054F	Operation tablet	155	no
2022.11.7	15	E055E	Bed rails	207	no
2022.11.7	16	E056B	Computer keyboard and mouse	108	no
2022.11.7	16	E056C	Ventilator	108	no
2022.11.7	16	E056D	ECU monitor, infusion pump, vaporizer and hanging tower	108	no
2022.11.7	16	E056E	Bed rails	108	no
2022.11.7	16	E056F	Operation tablet	108	no
2022.11.7	17	E057A	Sink in the patient room doorway	108	no
2022.11.7	17	E057C	Ventilator	108	no
2022.11.7	17	E057D	ECU monitor, infusion pump, vaporizer and hanging tower	108	no
2022.11.7	17	E057E	Bed rails	108	no
2022.11.7	18	E058A	Sink in the patient room doorway	108	no
2022.11.7	18	E058D	ECU monitor, infusion pump, vaporizer and hanging tower	108	no
2022.11.21	1	E060A	Sink in the patient room doorway	671	no
2022.11.21	5	E063B	Computer keyboard and mouse	1051	no
2022.11.21	4	E064A	Sink in the patient room doorway	344	yes
2022.11.21	4	E064C	Ventilator	155	no
2022.11.21	4	E064D	ECU monitor, infusion pump, vaporizer and hanging tower	155	no
2022.11.21	4	E064E	Bed rails	4455	no
2022.11.21	5	E065A	Sink in the patient room doorway	274	no
2022.11.21	5	E065C	Ventilator	155	no
2022.11.21	5	E065D	ECU monitor, infusion pump, vaporizer and hanging tower	155	no
2022.11.21	5	E065E	Bed rails	274	no
2022.11.21	5	E065F	Operation tablet	810	no
2022.11.21	7	E067B	Computer keyboard and mouse	810	no
2022.11.21	7	E067E	Bed rails	274	no
2022.11.21	8	E068A	Sink in the patient room doorway	671	no
2022.11.21	8	E068F	Operation tablet	1021	yes
2022.11.21	8	E068G	Sink in the patient toilet	1021	yes
2022.11.21	9	E069A	Sink in the patient room doorway	155	no
2022.11.21	10	E070B	Bed rails	155	no
2022.11.21	11	E071A	Sink in the patient room doorway	348	no
2022.11.21	11	E071C	Sink in the patient toilet	2740	yes
2022.11.21	12	E072A	Sink in the patient room doorway	671	no
2022.11.21	13	E073A	Sink in the patient room doorway	1051	no
2022.11.21	14	E074D	ECU monitor, infusion pump, vaporizer and hanging tower	274	no
2022.11.21	14	E074F	Operation tablet	810	no
2022.11.21	15	E075A	Sink in the patient room doorway	671	no
2022.11.21	15	E075E	Bed rails	671	no
2022.11.21	16	E076A	Sink in the patient room doorway	671	no
2022.11.21	16	E076B	Computer keyboard and mouse	671	no
2022.11.21	16	E076D	ECU monitor, infusion pump, vaporizer and hanging tower	810	no
2022.11.21	17	E077A	Sink in the patient room doorway	108	no
2022.11.21	17	E077D	ECU monitor, infusion pump, vaporizer and hanging tower	155	no
2022.11.21	17	E077F	Operation tablet	155	no
2022.12.5	4	E084A	Sink in the patient room doorway	671	no
2022.12.5	4	E084E	Bed rails	671	no
2022.12.5	4	E084F	Operation tablet	671	no
2022.12.5	5	E085A	Sink in the patient room doorway	274	no
2022.12.5	5	E085B	Computer keyboard and mouse	274	no
2022.12.5	5	E085C	Ventilator	274	no
2022.12.5	5	E085D	ECU monitor, infusion pump, vaporizer and hanging tower	671	no
2022.12.5	6	E086G	Sink in the patient toilet	207	no
2022.12.5	6	E086H	Sink in the patient room doorway	207	no
2022.12.5	7	E087B	Computer keyboard and mouse	207	no
2022.12.5	7	E087C	Ventilator	207	no
2022.12.5	7	E088G	Sink in the patient toilet	207	no
2022.12.5	9	E089A	Sink in the patient room doorway	671	no
2022.12.5	9	E089B	Computer keyboard and mouse	207	no
2022.12.5	9	E089C	Ventilator	671	no
2022.12.5	9	E089F	Operation tablet	671	no
2022.12.5	10	E090H	ECU monitor, infusion pump, vaporizer and hanging tower	671	no
2022.12.5	10	E090I	Bed rails	671	no
2022.12.5	10	E090O	Bed rails	671	no
2022.12.5	11	E091A	Sink in the patient room doorway	234	no
2022.12.5	11	E091B	Computer keyboard and mouse	671	no
2022.12.5	11	E091C	Ventilator	671	no
2022.12.5	11	E091G	Sink in the patient toilet	671	no
2022.12.5	12	E092A	Sink in the patient room doorway	671	no
2022.12.5	12	E092C	Ventilator	671	no
2022.12.5	12	E092D	ECU monitor, infusion pump, vaporizer and hanging tower	671	no
2022.12.5	12	E092E	Bed rails	671	no
2022.12.5	12	E092F	Operation tablet	671	no
2022.12.5	13	E093A	Sink in the patient room doorway	671	no
2022.12.5	13	E093E	Bed rails	671	no
2022.12.5	14	E094A	Sink in the patient room doorway	671	no
2022.12.5	14	E094B	Computer keyboard and mouse	671	no
2022.12.5	14	E094C	Ventilator	671	no
2022.12.5	15	E095G	Sink in the patient toilet	108	no
2022.12.5	16	E096A	Sink in the patient room doorway	671	no
2022.12.5	16	E096F	Operation tablet	4455	no
2022.12.5	17	E097A	Sink in the patient room doorway	108	no
2022.12.5	18	E098A	Sink in the patient room doorway	108	no
2022.12.19	1	E101G	Sink in the patient toilet	108	no
2022.12.19	1	E105A	Sink in the patient room doorway	671	no
2022.12.19	4	E104E	Bed rails	4455	no
2022.12.19	5	E105A	Sink in the patient room doorway	274	no
2022.12.19	6	E106D	ECU monitor, infusion pump, vaporizer and hanging tower	316	yes
2022.12.19	6	E106E	Bed rails	316	yes
2022.12.19	8	E108A	Sink in the patient room doorway	671	no
2022.12.19	11A	E111A	Sink in the patient room doorway	234	no
2022.12.19	13	E113A	Sink in the patient room doorway	1051	no
2022.12.19	14	E114A	Sink in the patient room doorway	252	no
2022.12.19	15	E115A	Sink in the patient room doorway	348	no
2022.12.19	16	E116A	Sink in the patient room doorway	671	no
2022.12.19	18	E116A	Sink in the patient room doorway	108	no
2023.1.16	8	E127A	Sink in the patient toilet	108	no
2023.1.16	7	E127A	Sink in the patient room doorway	348	no
2023.1.16	8	E128A	Sink in the patient room doorway	273	no
2023.1.16	1	E131A	Sink in the patient room doorway	234	no
2023.1.16	11	E131D	ECU monitor, infusion pump, vaporizer and hanging tower	463	yes
2023.1.16	13	E133A	Sink in the patient room doorway	1051	no
2023.1.16	16	E136D	ECU monitor, infusion pump, vaporizer and hanging tower	1262	yes
2023.1.16	18	E138A	Sink in the patient room doorway	108	no
2023.1.30	5	E145A	Sink in the patient room doorway	671	no
2023.1.30	5	E145A	Sink in the patient room doorway	244	no
2023.1.30	6	E146A	Sink in the patient room doorway	207	no
2023.1.30	6	E147D	ECU monitor, infusion pump, vaporizer and hanging tower	463	no
2023.1.30	8	E148A	Sink in the patient room doorway	671	no
2023.1.30	8	E148C	Sink in the patient toilet	273	no
2023.1.30	9	E149A	Sink in the patient room doorway	671	no
2023.1.30	11	E151A	Sink in the patient room doorway	671	no
2023.1.30	11	E151G	Sink in the patient toilet	463	yes
2023.1.30	12	E152A	Sink in the patient room doorway	671	no
2023.1.30	12	E152B	Computer keyboard and mouse	671	no
2023.1.30	13	E153A	Sink in the patient room doorway	1051	no
2023.1.30	15	E155C	Ventilator	463	yes
2023.1.30	15	E155D	ECU monitor, infusion pump, vaporizer and hanging tower	463	yes
2023.1.30	15	E155E	Bed rails	463	yes
2023.1.30	15	E155G	Sink in the patient toilet	463	yes
2023.1.30	16A	E156A	Sink in the patient room doorway	671	no
2023.1.30	18	E158A	Sink in the patient room doorway	108	no
2023.1.30	Nurse station	E160B	Sink in the patient room doorway	244	no
2023.2.13		E163A	Sink in the patient room doorway	671	no
2023.2.13		E165A	Sink in the patient room doorway	463	yes
2023.2.13	5	E165B	Computer keyboard and mouse	463	yes
2023.2.13	5	E165F	Operation tablet	463	yes
2023.2.13	6	E166A	Sink in the patient room doorway	207	no
2023.2.13	7	E167A	Sink in the patient room doorway	671	no
2023.2.13	9	E167C	Ventilator	463	yes
2023.2.13	9	E169A	Sink in the patient room doorway	244	no
2023.2.13	9	E169B	Computer keyboard and mouse	463	yes
2023.2.13	10	E170I	Bed rails	1601	no
2023.2.13	10	E170M	Operation tablet	1601	no
2023.2.13	10	E170O	Bed rails	1601	no
2023.2.13	11	E171A	Sink in the patient room doorway	671	no
2023.2.13	11	E171G	Sink in the patient toilet	463	yes
2023.2.13	12	E172A	Sink in the patient room doorway	671	no
2023.2.13	13	E173A	Sink in the patient room doorway	1051	no
2023.2.13	13	E173G	Sink in the patient toilet	108	no

2023.2.13	14	E174A	Sink in the patient room doorway	155	no
2023.2.13	15	E175A	Sink in the patient room doorway	671	no
2023.2.13	16	E176A	Sink in the patient room doorway	671	no
2023.2.13	17	E177A	Sink in the patient room doorway	108	no
2023.2.13	17	E177C	Ventilator	2069	no
2023.2.13	18	E178A	Sink in the patient room doorway	463	yes
2023.2.13	18	E178E	Bed rails	463	yes
2023.2.13	18	E178F	Operation tabletop	463	yes
2023.2.13	19	E179F	Operation tabletop	463	yes
2023.2.13	Nurse station	E180B	Sink	244	no
2023.2.27	0	E181G	Sink in the patient toilet	108	no
2023.2.27	0	E183A	Sink in the patient room doorway	671	yes
2023.2.27	0	E185A	Sink in the patient room doorway	671	yes
2023.2.27	0	E185D	ECU monitor, infusion pump, vaporizer and hanging tower	1596	no
2023.2.27	6	E186G	Sink in the patient toilet	207	yes
2023.2.27	6	E187A	Sink in the patient room doorway	671	no
2023.2.27	8	E188A	Sink in the patient room doorway	671	no
2023.2.27	8	E188G	Sink in the patient toilet	1021	no
2023.2.27	9	E189A	Sink in the patient room doorway	671	no
2023.2.27	10	E190I	Bed rails	1601	no
2023.2.27	11	E191A	Sink in the patient room doorway	234	yes
2023.2.27	12	E192A	Sink in the patient room doorway	671	yes
2023.2.27	13	E193A	Sink in the patient room doorway	1051	no
2023.2.27	14	E196A	Sink in the patient room doorway	155	no
2023.2.27	15	E195A	Sink in the patient room doorway	671	no
2023.2.27	16	E196A	Sink in the patient room doorway	671	no
2023.2.27	17	E197A	Sink in the patient room doorway	206	no
2023.2.27	17	E197E	Bed rails	463	yes
2023.2.27	18	E198A	Sink in the patient room doorway	244	no
2023.3.13	1	E201G	Sink in the patient toilet	108	no
2023.3.13	1	E203A	Sink in the patient room doorway	671	no
2023.3.13	5	E205A	Sink in the patient room doorway	671	no
2023.3.13	12	E206A	Sink in the patient room doorway	207	no
2023.3.13	8	E208A	Sink in the patient room doorway	671	no
2023.3.13	10	E209A	Sink in the patient room doorway	671	no
2023.3.13	12	E210A	Sink in the patient room doorway	671	no
2023.3.13	12	E212A	Sink in the patient room doorway	671	no
2023.3.13	13	E213A	Sink in the patient room doorway	1051	no
2023.3.13	14	E214A	Sink in the patient room doorway	245	no
2023.3.13	15	E215A	Sink in the patient room doorway	671	no
2023.3.13	16	E216A	Sink in the patient room doorway	671	no
2023.3.13	17	E217A	ECU monitor, infusion pump, vaporizer and hanging tower	1440	yes
2023.3.13	17	E217A	Sink in the patient room doorway	108	no
2023.3.13	Nurse station	E220B	Sink	244	no
2023.3.27	0	E222D	ECU monitor, infusion pump, vaporizer and hanging tower	463	yes
2023.3.27	0	E223A	Sink in the patient room doorway	671	no
2023.3.27	0	E225A	Sink in the patient room doorway	671	no
2023.3.27	0	E226A	Sink in the patient room doorway	6	no
2023.3.27	0	E228A	Sink in the patient room doorway	671	no
2023.3.27	0	E229A	Sink in the patient room doorway	671	no
2023.3.27	11	E231A	Sink in the patient room doorway	463	yes
2023.3.27	11	E231D	ECU monitor, infusion pump, vaporizer and hanging tower	1076	yes
2023.3.27	11	E231G	Sink in the patient toilet	1076	yes
2023.3.27	12	E232A	Sink in the patient room doorway	671	no
2023.3.27	13	E233A	Sink in the patient room doorway	1051	no
2023.3.27	14	E234A	Sink in the patient room doorway	155	no
2023.3.27	15	E235A	Sink in the patient room doorway	671	no
2023.3.27	16	E236A	Sink in the patient room doorway	671	no
2023.3.27	17	E237A	Sink in the patient room doorway	108	no
2023.3.27	18	E238A	Sink in the patient room doorway	17	no
2023.3.27	Nurse station	E240B	Sink	244	no
2023.4.0	2	E242D	ECU monitor, infusion pump, vaporizer and hanging tower	463	yes
2023.4.0	2	E245A	Sink in the patient room doorway	244	no
2023.4.0	6	E246A	Sink in the patient room doorway	207	no
2023.4.0	6	E247B	Communitarian keyboard and mouse	207	no
2023.4.0	8	E248A	Sink in the patient room doorway	671	no
2023.4.0	8	E248G	Sink in the patient toilet	1021	no
2023.4.0	10	E249A	Sink in the patient room doorway	671	no
2023.4.0	11	E251A	Sink in the patient room doorway	234	no
2023.4.0	12	E252A	Sink in the patient room doorway	671	no
2023.4.0	13	E253A	Sink in the patient room doorway	108	no
2023.4.0	14	E254A	Sink in the patient room doorway	155	no
2023.4.0	15	E255A	Sink in the patient room doorway	671	no
2023.4.0	15	E255E	Bed rails	1601	no
2023.4.0	15	E255G	ECU monitor, infusion pump, vaporizer and hanging tower	1601	no
2023.4.0	15	E255F	Bed rails	1601	no
2023.4.0	16	E256A	Sink in the patient room doorway	671	no
2023.4.0	17	E257A	Sink in the patient room doorway	108	no
2023.4.0	18	E258A	Sink in the patient room doorway	671	no
2023.4.27	2	E262E	Bed rails	4455	yes
2023.4.27	3	E263A	Sink in the patient room doorway	671	yes
2023.4.27	4	E264A	Sink in the patient room doorway	1196	no
2023.4.27	6	E266A	Sink in the patient room doorway	207	no
2023.4.27	7	E267A	Sink in the patient room doorway	463	yes
2023.4.27	9	E269A	Sink in the patient room doorway	671	no
2023.4.27	11	E271A	Sink in the patient room doorway	463	yes
2023.4.27	12	E272A	Sink in the patient room doorway	671	no
2023.4.27	13	E273A	Sink in the patient room doorway	1051	no
2023.4.27	14	E274A	Sink in the patient room doorway	810	no
2023.4.27	15	E275A	Sink in the patient room doorway	244	no
2023.4.27	15	E275G	Sink in the patient toilet	1601	no
2023.4.27	16	E276A	Sink in the patient room doorway	671	no
2023.4.27	17	E277A	Sink in the patient room doorway	108	no
2023.4.27	18	E278A	Sink in the patient room doorway	671	no
2023.4.27	19	E279D	ECU monitor, infusion pump, vaporizer and hanging tower	1601	no
2023.4.27	19	E279E	Bed rails	1601	no
2023.4.27	19	E279F	Operation tabletop	1601	no
2023.4.27	Nurse station	E280B	Sink	244	yes

Supplementary Table 3 P. aeruginosa strains isolated from patients

Patient ID	Age	Length of stay in ICU (days)	Sex	Outcome	Covid-19 pneumonia	Clinical P. aeruginosa infection	Main diagnosis	Strain ID	ST	CRPA	Time of isolation	Isolation position
261	84	24	male	deterioration	no	yes	respiratory failure	P263E	314	Yes	2023.2.27	nanopharyngeal swab
								P263F	314	No	2023.4.27	rectal swab
								P234E	314	No	2023.3.27	nanopharyngeal swab
012	65	19	female	amelioration	no	yes	sepsis	P012D	463	Yes	2022.11.17	rectal swab
031	59	37	male	amelioration	no	no	cardio-cerebrovascular disease	P031E	2140	No	2023.3.13	nanopharyngeal swab
								P238E	2140	No	2023.2.27	nanopharyngeal swab
								P238F	2140	No	2023.3.27	rectal swab
044	69	5	female	amelioration	no	no	cardio-cerebrovascular disease	P044C	675	No	2022.11.8	nanopharyngeal swab
186	88	24	male	deterioration	yes	yes	pneumonia	P186F	463	Yes	2023.3.30	nanopharyngeal swab
								P159F	463	Yes	2023.1.30	nanopharyngeal swab
								P159F	463	Yes	2023.1.30	rectal swab
033	59	2	male	amelioration	no	no	digestive tract hemorrhage	P033B	277	No	2022.11.4	rectal swab
284	78	10	female	amelioration	no	no	cardio-cerebrovascular disease	P284E	1601	No	2023.10	nanopharyngeal swab
027	67	2	male	amelioration	no	no	cholecystopancreatic disease	P027E	463	Yes	2022.11.2	rectal swab
								P027D	463	Yes	2022.11.2	rectal swab
143	86	15	male	amelioration	no	no	rectal cancer	P143D	2711	No	2022.12.18	rectal swab
072	65	2	female	amelioration	no	no	nasopharyngeal cancer	P072D	1646	No	2022.11.9	rectal swab
190	68	20	male	amelioration	no	yes	pneumonia	P190F	2069	No	2023.3.13	nanopharyngeal swab
								P176F	2069	No	2023.1.15	rectal swab
								P190C	2069	Yes	2023.2.21	rectal swab
194	83	24	male	amelioration	no	no	cardio-cerebrovascular disease	P194F	463	Yes	2023.2.13	rectal swab
001	86	15	male	deterioration	no	yes	craniocerebral injury	P001B	168	Yes	2022.11.12	nanopharyngeal swab
								P001C	463	Yes	2022.11.12	nanopharyngeal swab
289	71	2	male	amelioration	no	no	cardio-cerebrovascular disease	P089F	168	No	2022.11.29	rectal swab
181	73	24	female	amelioration	yes	no	Gaillain-Barré syndrome	P181F	1601	No	2023.3.30	rectal swab
230	80	38	male	amelioration	no	no	cardio-cerebrovascular disease	P230D	1396	No	2023.20	rectal swab
104	84	30	male	death	no	no	sepsis	P002F	381	No	2022.12.5	rectal swab
								P104A	381	No	2022.11.29	nanopharyngeal swab
								P110B	381	Yes	2022.11.29	rectal swab
								P110C	381	Yes	2022.11.29	rectal swab
291	75	30	female	amelioration	no	yes	cholecystopancreatic disease	P291A	244	Yes	2023.2.24	nanopharyngeal swab
								P291B	244	Yes	2023.2.24	rectal swab
								P291C	244	Yes	2023.2.24	nanopharyngeal swab
								P291D	244	Yes	2023.2.29	rectal swab
133	53	50	male	amelioration	no	yes	cholecystopancreatic disease	P133E	463	Yes	2022.11.9	nanopharyngeal swab
								P133E	463	Yes	2023.1.16	nanopharyngeal swab
								P133D	463	Yes	2023.1.16	rectal swab
347	57	2	male	amelioration	no	no	renal cancer	P347B	774	No	2023.10	rectal swab
286	81	7	male	amelioration	no	no	stomach cancer	P286B	1076	No	2023.6	rectal swab
273	69	30	female	deterioration	no	yes	cholecystopancreatic disease	P273A	245	No	2023.4.9	nanopharyngeal swab
206	63	69	male	deterioration	no	no	sepsis	P206A	1601	No	2023.7	nanopharyngeal swab
076	77	25	male	deterioration	no	no	cholecystopancreatic disease	P076D	270	No	2022.12.12	rectal swab
								P083F	270	No	2022.12.5	rectal swab
221	52	39	male	deterioration	no	no	meningitis	P185E	1596	Yes	2023.2.27	nanopharyngeal swab
								P185F	1596	Yes	2023.2.27	rectal swab
								P224C	1596	Yes	2023.1.6	nanopharyngeal swab
								P221D	1596	Yes	2023.3.6	rectal swab
016	78	20	male	deterioration	no	yes	sepsis	P016B	532	No	2022.10.29	rectal swab
								P047E	532	No	2022.11.7	nanopharyngeal swab
								P047F	532	No	2022.11.7	rectal swab
								P096F	532	No	2022.12.5	nanopharyngeal swab
								P096E	532	No	2022.12.5	rectal swab
								P108A	532	No	2022.11.29	nanopharyngeal swab
								P108B	532	No	2022.11.29	rectal swab
								P108C	532	No	2022.12.12	nanopharyngeal swab
								P108D	532	No	2022.12.12	rectal swab
174	79	10	female	deterioration	no	yes	meningitis	P174C	1663	Yes	2023.1.26	nanopharyngeal swab
178	71	10	male	deterioration	yes	no	meningitis	P178B	1262	No	2023.1.26	rectal swab
306	60	2	female	amelioration	no	no	rectal cancer	P306D	2041	No	2023.15	rectal swab
144	72	6	female	deterioration	no	no	cardio-cerebrovascular disease	P144B	309	No	2023.10	rectal swab
140	67	14	male	amelioration	no	no	renal failure	P140A	3808	No	2022.11	nanopharyngeal swab
042	28	30	male	deterioration	no	yes	blood cancer	P042A	9	Yes	2022.11.6	nanopharyngeal swab
								P042C	9	Yes	2022.11.7	nanopharyngeal swab
								P049F	168	No	2022.11.7	rectal swab
083	28	30	male	deterioration	no	yes	blood cancer	P083A	9	Yes	2022.11.22	nanopharyngeal swab
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