

Supplementary Table 1.

Sample type	Service	Microorganism	Carbapenemase detection						Fosfomycin susceptibility test			
			mCIM	eCIM	KPC	NDM	MEM (µg/mL)	IPM (µg/mL)	MIC (µg/mL)	Interp.	DD (mm)	Interp.
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	16	8	32	S	18	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	19	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	256	R	14	I
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	256	R	15	I
Blood	Cardiology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	23	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	21	S
Blood	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	18	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	16	S
Blood	Pediatrics	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	21	S
Blood	Pediatrics	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	17	S
Blood	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	19	S
Blood	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	18	S
Blood	Neonatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Blood	Neonatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	19	S
Blood	Neonatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	20	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	20	S
Blood	Neonatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	8	>16	<16	S	20	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	20	S
Blood	Oncology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	17	S
Blood	Neonatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	64	S	18	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	17	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	20	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	128	I	13	I
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Blood	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	> 256	R	6	R
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R

Blood	Oncology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	20	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	21	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	19	S
Blood	Hematology	<i>Klebsiella pneumoniae</i>	+		+	-	>16	>16	<16	S	23	S
Urine	Surgery	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	21	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	21	S
Urine	Nephrology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	128	I	22	S
Skin and soft tissue	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	20	S
Urine	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	15	I
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	10	R
Skin and soft tissue	Oncology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	> 256	R	6	R
Respiratory	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Urine	Internal Medicine	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Urine	Nephrology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	20	S
Blood	Neumology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	22	S
Respiratory	Neumology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Skin and soft tissue	Oncology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	19	S
Urine	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	19	S
Urine	Traumatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	20	S
Urine	External consultation	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Skin and soft tissue	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	16	S
Urine	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Respiratory	Oncology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	21	S
Respiratory	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Blood	Surgery	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	23	S
Urine	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	20	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	20	S
Urine	Cardiology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	64	S	16	S

Urine	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	64	S	17	S
Skin and soft tissue	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	16	S
Blood	Oncology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Respiratory	Internal Medicine	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Respiratory	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	21	S
Urine	Gastroenterology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	21	S
Skin and soft tissue	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	8	>16	<16	S	21	S
Respiratory	Surgery	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Skin and soft tissue	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	20	S
Skin and soft tissue	Traumatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	20	S
Respiratory	Nephrology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	19	S
Respiratory	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	20	S
Respiratory	Surgery	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	20	S
Urine	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	22	S
Urine	External consultation	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	22	S
Urine	External consultation	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	21	S
Urine	External consultation	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	20	S
Respiratory	Surgery	<i>Klebsiella pneumoniae</i>	+	-	-	-	>16	>16	64	S	18	S
Blood	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	21	S
Respiratory	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	23	S
Urine	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	24	S
Urine	Gastroenterology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	21	S
Blood	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Skin and soft tissue	Neonatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	23	S
Liquid	Internal Medicine	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	20	S
LCR	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	20	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	23	S
Skin and soft tissue	Cardiology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Respiratory	Neumology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Skin and soft tissue	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R

Blood	Hematology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Skin and soft tissue	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Respiratory	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	20	S
Urine	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	> 256	R	6	R
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	> 256	R	6	R
Skin and soft tissue	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	18	S
Skin and soft tissue	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	18	S
Skin and soft tissue	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	17	S
Skin and soft tissue	Traumatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	<16	S	22	S
Skin and soft tissue	Traumatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	21	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	18	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	21	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Blood	Surgery	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	10	R
Blood	Internal Medicine	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Respiratory	Internal Medicine	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	21	S
Urine	Neumology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	19	S
Respiratory	Neurology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	21	S
LCR	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	21	S
Liquid	Cardiology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	24	S
Respiratory	Internal Medicine	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	23	S
Sputum	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Blood	Surgery	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Skin and soft tissue	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Skin and soft tissue	Traumatology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	19	S
Skin and soft tissue	Surgery	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	<16	S	22	S
Respiratory	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	32	S	22	S
Blood	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	21	S
Blood	Hematology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	64	S	18	S
Respiratory	Emergency	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	64	S	20	S
Urine	Nephrology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	32	S	22	S
Blood	Cardiology	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	8	128	I	19	S

Urine	ICU	<i>Klebsiella pneumoniae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Respiratory	Internal Medicine	<i>Klebsiella oxytoca</i>	+	-	+	-	>16	>16	<16	S	23	S
Respiratory	ICU	<i>Klebsiella oxytoca</i>	+	-	+	-	>16	8	<16	S	24	S
Feces	ICU	<i>Klebsiella oxytoca</i>	+	-	+	-	>16	>16	<16	S	27	S
Catheter	Nephrology	<i>Klebsiella oxytoca</i>	+	-	+	-	>16	>16	<16	S	30	S
Blood	Cardiology	<i>Klebsiella ozaenae</i>	+	-	+	-	>16	8	64	S	20	S
Blood	Cardiology	<i>Escherichia coli</i>	+	-	+	-	>16	8	<16	S	29	S
Urine	Cardiology	<i>Escherichia coli</i>	+	-	+	-	>16	>16	<16	S	28	S
Liquid	Burn Unit	<i>Escherichia coli</i>	+	-	+	-	>16	8	<16	S	28	S
Blood	Nephrology	<i>Escherichia coli</i>	+	+	-	+	>16	8	<16	S	29	S
Blood	ICU	<i>Serratia marcescens</i>	+	-	+	-	>16	>16	32	S	25	S
Respiratory	ICU	<i>Serratia marcescens</i>	+	-	+	-	>16	8	32	S	25	S
Liquid	Surgery	<i>Morganella morganii</i>	+	-	+	-	>16	8	128	I	16	S
Skin and soft tissue	ICU	<i>Morganella morganii</i>	+	-	+	-	>16	8	256	R	10	R
Urine	Nephrology	<i>Citrobacter freundii</i>	+	-	+	-	>16	>16	<16	S	36	S
Urine	Internal Medicine	<i>Citrobacter freundii</i>	+	-	+	-	>16	>16	<16	S	35	S
Urine	Pediatrics	<i>Citrobacter freundii</i>	+	-	+	-	>16	>16	<16	S	30	S
Respiratory	Neurology	<i>Citrobacter freundii</i>	+	-	+	-	>16	>16	<16	S	29	S
Skin and soft tissue	Surgery	<i>Citrobacter freundii</i>	+	-	+	-	>16	>16	<16	S	33	S
Urine	Internal Medicine	<i>Citrobacter freundii</i>	+	+	-	+	>16	8	256	R	6	R
Blood	Emergency	<i>Enterobacter cloacae</i>	+	-	+	-	>16	>16	<16	S	32	S
Skin and soft tissue	ICU	<i>Enterobacter cloacae</i>	+	-	+	-	>16	>16	> 256	R	6	R
Respiratory	Neurology	<i>Enterobacter cloacae</i>	+	-	+	-	8	>16	<16	S	32	S
Respiratory	Internal Medicine	<i>Enterobacter aerogenes</i>	+	-	+	-	>16	8	<16	S	23	S
Skin and soft tissue	Surgery	<i>Enterobacter aerogenes</i>	+	-	+	-	>16	8	32	S	21	S
Skin and soft tissue	Pediatrics	<i>Citrobacter youngae</i>	+	-	+	-	>16	8	<16	S	23	S