

Table S1. List of *Klebsiella pneumoniae* strains isolated in different hospital centers.

Strain number	Initials	Sex	Material	Date of isolation	Branch
A. Isolated strains in Lower Silesian Specialist Hospital in Wrocław					
1	M.S.	M	Urine	22.09.2019	Orthopaedic Trauma Surgery Department
2	K.K.	F	Urine	20.09.2019	Department of Cardiology
3	M.W-S.	F	Bronchial aspirate	22.09.2019	Department of Toxicology and Internal Diseases
4	W.T.	F	Urine	28.09.2019	Department of Urology and Oncological Urology
5	J.W.	M	Urine	29.09.2019	Department of Anaesthesiology and Intensive Care
6	M.R.	F	Urine	01.10.2019	Department of Internal Diseases
7	B.W-P.	M	Urine	01.10.2019	Department of Neurology with Stroke Subdivision
8	B.P.	M	Bronchial aspirate	09.10.2019	Department of Neurology with Stroke Subdivision
9	M.J.	F	Bronchial aspirate	11.10.2019	Department of Anaesthesiology and Intensive Care
10	J.K.	F	Urine	31.03.2017	Orthopaedic Trauma Surgery Department
11	S. J	M	Bronchial aspirate	10.05.2017	Department of Anaesthesiology and Intensive Care
12	A.S.	M	Bronchial aspirate	19.05.2017	Department of Anaesthesiology and Intensive Care
13	B.W-L.	F	CSF	14.08.2017	Department of Neurology with Stroke Subdivision
14	R.A	F	Urine	12.01.2018	Department of Internal Diseases
15	I. D	F	Urine	21.01.2018	Department of Internal Diseases
16	R.W.	F	Feces (carrier)	16.01.2018	Department of Internal Diseases
17	W.P.	M	Urine	09.11.2019	Department of Neurochirurgii
18	I.U.	M	Bronchial aspirate	09.11.2019	Department of Anaesthesiology and Intensive Care
19	T.K.	M	Urine	31.10.2019	Orthopaedic Trauma Surgery Department
20	G.D	F	Urine	16.11.2019	Department of Cardiology
21	M.M	F	Blood	04.11.2019	Department of Neurology with Stroke Subdivision
22	A.K.	F	Blood	22.02.2020	Department of Anaesthesiology and Intensive Care
23	B.M.	F	Bronchial aspirate	28.02.2020	Department of Anaesthesiology and Intensive Care
24	I.K.	F	Bronchial aspirate	04.03.2020	Department of Anaesthesiology and Intensive Care
B. Isolated strains in the Regional Specialist Hospital in Wrocław					
Strain number	Initials	Sex	Material	Date of isolation	Branch
25	W.M.	M	Abdominal flushes	11.2017	Department of Infectious Diseases
26	S.G.	M	Feces (carrier)	11.2017	Department of Infectious Diseases
27	M.W.	F	Feces (carrier)	11.2017	Department of Infectious Diseases
C. Isolated strains in the Regional Specialist Hospital in Legnica					
Strain number	Initials	Sex	Material	Date of isolation	Branch
28	Z.B.	F	Purulent mite swab (wound)	11.2017	Haematological Department
29	S.K.	M	Feces (carrier)	12.2017	Department of InternalDiseases
D. Isolated strains at the University Clinical Hospital in Wrocław					
Strain number	Initials	Sex	Material	Date of isolation	Branch
30	M.W.	M	Urine	18.10.2017	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
31	P. S.	M	Blood	25.05.2014	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
32	K.K.	M	Feces (carrier)	30.01.2015	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
33	B.A.	F	Feces (carrier)	17.11.2014	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
34	K.w.	M	Feces (carrier)	20.05.2014	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
35	W.M.	M	Urine	03.11.2011	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
36	M.U.	F	Feces (carrier)	05.06.2014	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
37	L.T.	M	Feces (carrier)	11.06.2013	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
38	P.M.	M	Feces (carrier)	12.10.2013	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
39	A.J.	F	Spit	16.01.2014	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
40	D.A.	F	Feces (carrier)	27.02.2014	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation
41	Z.B.	M	Purulent mite swab (wound)	13.05.2019	Clinic of General Surgery and Oncological Surgery
42	S.M.	M	Urine	09.05.2017	Department of Anaesthesiology and Intensive Care
43	P.Z.	F	Feces (carrier)	21.09.2016	Clinic of Hematology, Blood Cancers and Bone Marrow Transplantation

Table S2. Results of determination of resistance mechanisms in *Klebsiella* strains.

Strain number	ESBL	MBL	KPC	Susceptibility to fosfomycin in reference methods
1A	+	-	-	R
2A	+	-	-	S
3A	+	-	-	S
4A	+	-	-	R
5A	+	-	-	S
6A	+	-	-	R
7A	+	-	-	S
8A	+	+	-	R
9A	+	-	-	S
10A	+	-	-	S
11A	+	-	-	S
12A	+	-	-	S
13A	+	-	-	S
14A	+	+	-	S
15A	+	+	-	R
16A	+	+	-	S
17A	+	+	-	S
18A	+	-	-	S
19A	+	-	-	S
20A	+	+	-	S
21A	+	-	-	S
22A	+	+	-	S
23A	+	+	-	S
24A	+	+	-	S
25B	+	+	-	R
26B	+	+	-	R
27B	+	+	-	R
28C	+	+	-	S
29C	+	+	-	S
20%	+	-	+	R
31D	+	-	-	S
32D	+	-	-	R
33D	+	-	+	R
34D	+	+	-	S
35D	+	-	+	R
36D	+	-	-	S
37D	+	-	+	R
38D	+	-	-	R
39D	+	-	-	S
40D	+	-	-	S
41D	+	-	-	R
42D	+	-	-	S
43D	+	+	-	S

Table S3. The results of *Klebsiella* fosfomycin susceptibility study with the MIC value, determined by different methods.

Strain Number	1A	2A	3A	4A	5A	6A	7A	8A	9A	10A	11A	12A	13A	14A	
Reference Method	R	S	S	R	S	R	S	R	S	S	S	S	S	S	
	128	32	32	128	8	256	16	>512	16	32	32	32	32	4	
E-test	R	S	S	R	S	R	S	R	S	S	S	S	S	S	
	96	32	24	64	3	256	6	1064	6	24	32	32	24	16	
Phoenix	S	S	S	S	S	S	S	R	S	S	S	S	S	R	
	≤16	≤16	≤16	≤16	≤16	≤16	≤16	>64	≤16	≤16	≤16	≤16	≤16	>64	
Strain Number	15A	16A	17A	18A	19A	20A	21A	22A	23A	24A	25B	26B	27B	28C	
Reference Method	R	S	S	S	S	S	S	S	S	S	R	R	R	S	
	128	32	16	32	32	32	32	1	32	32	128	64	128	32	
E-test	R	S	S	S	S	S	S	S	S	S	R	R	R	S	
	96	24	6	24	16	24	24	0,064	12	24	64	64	64	16	
Phoenix	R	S	S	S	S	S	S	S	S	S	S	R	S	S	
	>64	≤16	≤16	≤16	≤16	≤16	≤16	16	≤16	≤16	≤16	64	≤16	≤16	
Strain Number	29C	20%	31D	32D	33D	34D	35D	36D	37D	38D	39D	40D	41D	42D	43D
Reference Method	S	R	S	R	R	S	R	S	R	R	S	S	R	S	S
	32	>512	32	256	128	32	>512	32	512	256	32	32	256	32	32
E-test	S	R	S	R	R	S	R	S	R	R	S	S	R	S	S
	16	256	16	256	64	12	1064	24	256	192	32	24	256	12	16
Phoenix	S	R	S	R	R	S	R	R	R	R	S	S	R	S	S
	32	64	≤16	>64	64	≤16	>64	>64	>64	64	32	≤16	64	≤16	≤16

S—susceptible, R—resistant, numerical values—MIC in µg/mL.

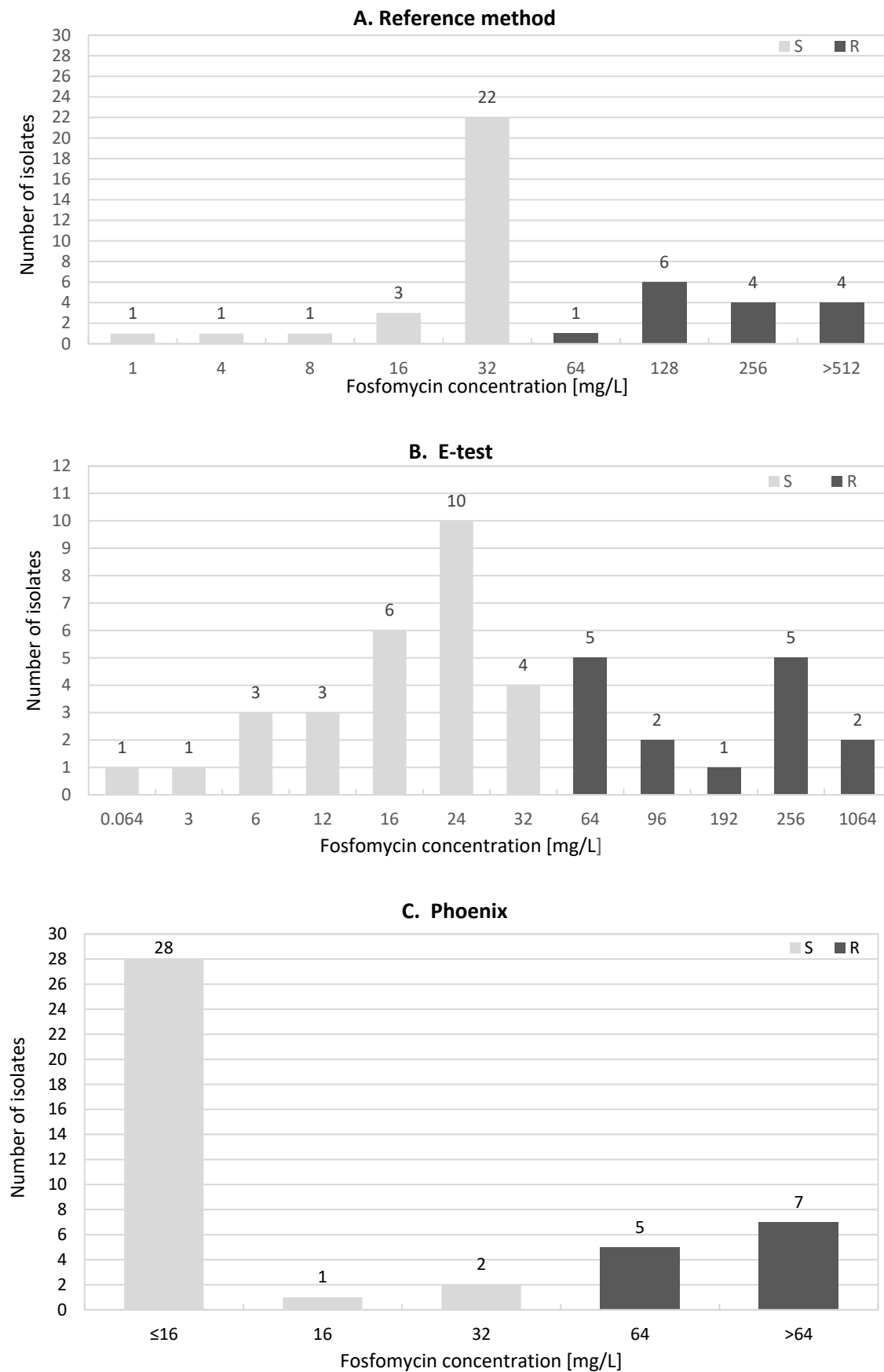


Figure S1. MIC distribution of fosfomycin for tested *Klebsiella pneumoniae* strains; S—susceptible, R—resistant in different methods: (A) Reference method; (B) E-test; (C) Phoenix.