

Table S1. Composition of modified artificial urine media (mAUM)

Component	mAUM	mAUM-high Pi	mAUMg	mAUMg-high Pi
Citric acid	2 mM	2 mM	2 mM	2 mM
Glucose				
Lactic acid	1.1 mM	1.1 mM	1.1 mM	1.1 mM
Sodium chloride	90 mM	90 mM	90 mM	90 mM
Ammonium chloride	25 mM	25 mM	25 mM	25 mM
RPMI 1640 amino acid solution (50x; Sigma, MO, cat #: R7131)	20 ml/l	20 ml/l	20 ml/l	20 ml/l
L-glutamine (200mM; Sigma, MO, cat #: G7513)	2 mM	2 mM	2 mM	2 mM
Urea	170 mM	170 mM	170 mM	170 mM
Uric acid	0.4 mM	0.4 mM	0.4 mM	0.4 mM
Creatinine	7 mM	7 mM	7 mM	7 mM
Calcium chloride.2H₂O	0.25 mM	0.25 mM	0.25 mM	0.25 mM
Magnesium sulphate.7H ₂ O	2 mM	2 mM	2 mM	2 mM
Sodium sulphate.10H ₂ O	10 mM	10 mM	10 mM	10 mM
Sodium bicarbonate	25 mM	25 mM	25 mM	25 mM
Sodium nitrate	6 mM	6 mM	6 mM	6 mM
Iron II sulphate solution	0.005 mM	0.005 mM	0.005 mM	0.005 mM
Potassium dihydrogen phosphate	1.8 mM	28.8 mM	1.8 mM	28.8 mM
Di-potassium hydrogen phosphate	1.8 mM	28.8 mM	1.8 mM	28.8 mM

An artificial urine medium described by Brooks *et al.* [1] was adapted for these experiments (changes are highlighted in bold). The final concentration of phosphate in mAUM, mAUMg and mAUM-high Pi, mAUMg-high Pi was 5 mM and 50 mM, respectively when combined with the PBS-containing inocula. pH adjusted to 7.

1. Brooks T, Keevil CW (1997) A simple artificial urine for the growth of urinary pathogens. Lett Appl Microbiol 24: 203-206.