

Table S1 Demographic information of literature data used in this study

	PK parameter in blood concentrations • Onita T et al. [19])	Calculation of KP_{lung} • Frank U et al. [16]	Physiological parameter • Langdon G et al. [24] • Brown RP et al. [25]
The number of the subjects	N = 44 (All males)	N = 15 (12 males and 3 females)	NA
Subject characteristics	Male patients performed transurethral resection of the prostate	Patients undergoing thoracic surgery for pneumonectomy	Healthy subjects
Age (years)	Ampicillin/sulbactam 1.5g group: 71.4 ± 6.1 Ampicillin/sulbactam 3.0g group: 73.2 ± 5.2	59.5 (Mean value)	Males: 25-35
Body weight (kg)	Ampicillin/sulbactam 1.5g group: 62.1 ± 9.0 Ampicillin/sulbactam 3.0g group: 59.7 ± 10.2	72.5 (Mean value)	Males: 71.7 ± 10
Renal function	Ampicillin/sulbactam 1.5g group: CL_{cr}^a , 73.3 ± 21.3 (mL/min) Ampicillin/sulbactam 3.0g group: CL_{cr}^a , 68.9 ± 23.2 (mL/min)	Normal renal function (values not shown)	NA
Hepatic function	Ampicillin/sulbactam 1.5g group: T-bil ^b , 0.70 ± 0.26 (mg/dL) Ampicillin/sulbactam 3.0g group: T-bil ^b , 0.68 ± 0.20 (mg/dL)	Normal hepatic function (values not shown)	NA

NA; Not applicable a, CL_{cr}; Creatinine clearance b, T-bil; Total bilirubin