		Linear regression y= ax+b					
Antil	biotic	(n=3)					
	a (m	ean +/- SD)	b (mean	+/- SD)	\mathbf{r}^2		
AMOX	1.00005	+/- 0.0156 -	-0.05477 +/	- 0.0942	0.99985		
SMX	1.01125	+/- 0.0034 -	-0.1644+/- ().0596	0.99999		
TMP	1.0168+	/- 0.0112 -	-0.0308 +/-	0.0214	0.99987		
AMOX: amoxicillin, SMX: sulfamethoxazole, TMP: trimethoprim, (a= slop. b=							
intercept)							

Table S1: Linearity of the analytical method

Drug	Retention time	Drug	Retention time
Drug	(min)	Drug	(min)
Amoxicillin	3.7	Ceftazidime	4.3
Sulfamethoxazole	11.1	Piperacillin	7.9
Trimethoprim	6.8	Cloxacillin	8.7
Sulfadiazine	4.1	Cefazolin	6.4
Cefotaxime	5.5	Linezolid	9.9
Ceftriaxone	5.3	Dithiotreitol	4.3

 Table S2: Retention times of analytes of interest and potential interfering compounds

Table S3: Expression of antibiotics amount in sputum

The amount of antibiotics in bronchial expectoration samples was expressed according to volume and mass of sputum. Weight and volume of each sample were determined beforehand analysis. Concentrations were calculated according the following formulae:

Cws = Ca x (Vs+Vd) / Ws or Cvs = Ca x (Vs+Vd) / Vs with

Cws = "mass" concentration of antibiotic in sputum in $\mu g/g$

Cvs = "volumetric" concentration of antibiotic in sputum in $\mu g/mL$

 $Ca=\mbox{concentration}$ measured with the assay in $\mu g/mL$

Vs = volume of the sputum sample (mL)

Vd = volume of diluent added (mL)

Ws = weight of the sputum sample (g)