

Materials List for:

Multiplex Therapeutic Drug Monitoring by Isotope-dilution HPLC-MS/MS of Antibiotics in Critical Illnesses

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Materials

Name	Company	Catalog Number	Comments
cefepime hydrochloride	Sigma-Aldrich	1097636	USP Reference Standard
meropenem trihydrate	Sigma-Aldrich	Y0001252	EP Reference Standard
ciprofloxacin	Sigma-Aldrich	17850	
moxifloxacin hydrochloride	Sigma-Aldrich	SML1581	
linezolid	Toronto Research Chemicals	L466500	
piperacillin sodium salt	Sigma-Aldrich	93129	
cefepime-13C12D3 sulfate	Alsachim	C1297	Isotope labelled internal standard for cefepime
meropenem-D6	Toronto Research Chemicals	M225617	Isotope labelled internal standard for meropenem
ciprofloxacin-D8	Toronto Research Chemicals	C482501	Isotope labelled internal standard for ciprofloxacin
moxifloxacin-13C1D3 hydrochloride	Toronto Research Chemicals	M745003	Isotope labelled internal standard for moxifloxacin
linezolid-D3	Toronto Research Chemicals	L466502	Isotope labelled internal standard for linezolid
piperacillin-D5	Toronto Research Chemicals	P479952	Isotope labelled internal standard for piperacillin
methanol	JT Baker	8402	
HPLC grade water	JT Baker	4218	
formic acid	Biosolve	6914132	
acetic acid	Biosolve	1070501	
ammonium formate	Sigma-Aldrich	70221-25G-F	
tert-Butyl methyl ether	Merck	101845	
Fortis 3 µm C8 100 * 2.1 mm	Fortis	F08-020503	
Ti-PEEK-encased Prifilter (2 µm)	Chromsystems	15011	
2795 Alliance HPLC system	Waters	176000491	
Quattro micro API Tandem Quadrupole System	Waters	720000338	
QuanLynx 4.1 software	Waters	/	Data evaluation software provided by the mass spectrometer manufacturer
Supplemental File			Stock Solutions