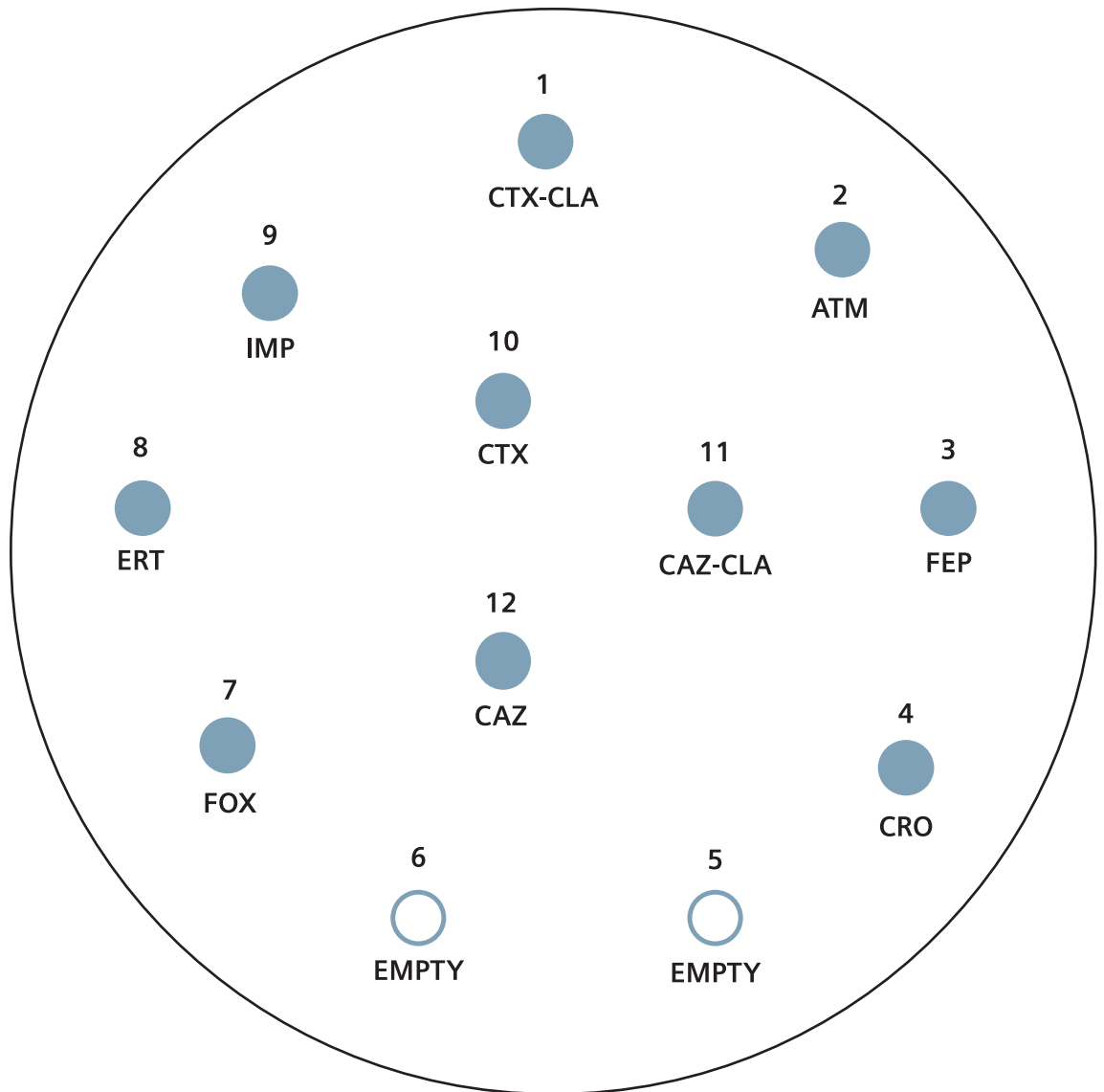


Template for Disk Potentiation Method



#	Antibiotic	Abbreviation
1	Cefotaxime-clavulanate	CTX-CLA
2	Aztreonam	ATM
3	Cefepime	FEP
4	Ceftriaxone	CRO
5	Empty	-
6	Empty	-

#	Antibiotic	Abbreviation
7	Cefoxitin	FOX
8	Ertapenem	ERT
9	Imipenem	IMP
10	Cefotaxime	CTX
11	Ceftazidime-clavulanate	CAZ-CLA
12	Ceftazidime	CAZ

Detecting ESBL and AmpC beta-lactamases

Answers for life.

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MASTER INTERPRETIVE GRID					RECORD OBSERVATIONS				
CLSI M100-S19 Breakpoints					ESBL	ESBL	AmpC	K1	KPC
AGENT	ZONE	R	I	S	≥ 5 mm zone vs. agent w/o clavulanate?	keyhole near disk w/CLA?	FEP = S FOX = R?	CAZ S/ATM R CTX S/CRO R	ETP or IMP < 22 mm?
ATM		≤ 15	16-21	≥ 22					
CAZ		≤ 14	15-17	≥ 18					
CAZ-CLA									
CTX		≤ 14	15-22	≥ 23					
CTX-CLA									
CRO		≤ 13	14-20	≥ 21					
FOX		≤ 14	15-17	≥ 18					
FEP		≤ 14	15-17	≥ 18					
ERT		≤ 15	16-18	≥ 19					
IMP		≤ 13	14-15	≥ 16					
ESBL					≤ 5 mm increase in CAZ/CLA or CTX/CLA zone vs. drug alone Keyhole between any cephalosporin adjacent to CAZ/CLA or CTX/CLA				
CAZ		≤ 14	15-17	≥ 18					
CAZ-CLA									
CTX		≤ 14	15-22	≥ 23					
CTX-CLA									
CRO		≤ 13	14-20	≥ 21					
FOX		≤ 14	15-17	≥ 18					
FEP		≤ 14	15-17	≥ 18					
AmpC					FEP = S, FOX = R				
FOX		≤ 14	15-17	≥ 18					
FEP		≤ 14	15-17	≥ 18					
K1					<i>K. oxytoca</i> generally with CAZ S - ATM R and/or CTX-S - CRO-R				
ATM		≤ 15	16-21	≥ 22					
CAZ		≤ 14	15-17	≥ 18					
CTX		≤ 14	15-22	≥ 23					
CRO		≤ 13	14-20	≥ 21					
Carbapenemase					Enterobacteriaceae with ERT or IMP zone < 22 mm				
ERT		≤ 15	16-18	≥ 19					
IMP		≤ 13	14-15	≥ 16					

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