

미생물 동정과 항생제 감수성, MIC 결과 판독 을 위한 Solutions

OptiRead

형광측정기



모 델 OptiRead (감수성, MIC, 미생물 동정용 판독기)

개 요 형광기질이 포함된 Sensititre panel용 형광 측정 장비.
(MIC 검사, 미생물동정)

- 특 징**
- 1) 판독결과를 자동으로 확인 및 저장 가능.
 - 2) 손쉽게 감수성 및 MIC 결과 판독 및 미생물 동정.
 - 3) 육안 판독에 의한 결과 오류 방지 가능.
 - 4) 다양한 균 종에 대한 동정 과 감수성 검사를 동시에 실행.

감수성 검사 결과 : SWIN Software

감수성 검사 결과 : Worksheet

Plate	Drug Description /	MIC	Original	Expert	Final
MA	Amikacin	<=1	S	S	
MH	Amikacin	>32	R	R	R
MH	Amoxicillin/ Clavulanic Acid	>16	R	R	R
MA	Ampicillin	<=1	S	S	
MH	Ampicillin	>16	R	R	R
MH	Ampicillin/ Sulbactam	<=8	S	S	S
MA	Carbencillin	<=2	NI	NI	NI
MH	Cefepime	>16	R	R	R
MA	Cefepiprazone	<=8	S	S	S
MA	Cefotaxime	<=1	S	S	
MH	Cefotaxime	>32	R	R	R
MA	Cefoxitin	<=1	S	S	I
MH	Ceftazidime	>16	R	R	R
MA	Ceftazidime (sodium)	<=1	S	S	

Isolate	A	B	Species	Human
Organism	E.coli	Sau1000		
Antibiogram				
Amikacin	4 S			
Amoxicillin/ Clavulanic Acid	<=1 S	<=4 S		
Ampicillin	4 NI	<=8 NI		
Carbapenem				
Cefepime	> 64 R	16 I		
Cefepiprazone	4 S			
Cefotaxime	4 S			
Cefazolin	16 I			
Cefuroxime (sodium)	4 S			
Ciprofloxacin	8 S	<=8 S		
Chloramphenicol	<=4 S			
Ciprofloxacin	2 I	2 I		
Clindamycin				
Erythromycin		<=0.5 S		
Gentamicin	1 S	8 I		
Imipenem		<=4 S		
Nicotinamide		<=32 NI		
Netilmicin		8 NI		
Ofloxacin + 2% NaCl		<=2 S		
Penicillin		0.12 NI		
Piperacillin	8 S	<=4 S		
Rifampin		8 S		
Tetracycline	<=2 S	8 I		
Tobramycin	1 S	<=2 S		
Trimethoprim/ Sulphamethoxazole		<=2 S		
Vancomycin		<=4 S		

미생물동정 검사 결과 : SWIN Software

미생물동정 검사 결과 : Worksheet

Biochemical Reactions

FR1 Urea	Ornithine	Sorbitol
Xylose FR12	Sucrose	FR9
FR3 Trehalose	FR8	Mannitol
Maltose FR4	Inositol	FR10
FR5 Fructose	Aesculin	Arabitol
Arabinose Lysine	TDA	Raffinose
FR7 Arginine	FR6	Cellulose
Malonate Pyruvate	Citrate	Agmatine

Expert System Messages

Biocode: 1DD94C44 Category: Acceptable

Organism
1. Escherichia coli 82.55%

2. Escherichia coli atypical 13.00%

3. Citrobacter freundii 0.75%

(Click to hide tests FOR and AGAINST)

Additional Tests

Key: Strong Test Against (Red), Weak Test Against (Yellow), Strong Test For (Green), Weak Test For (Blue)

- Pigment
- Oxidase
- Indole
- ...

Specimen	DATE	Time	Species	Human
COMBO	19-Nov-2003	12:10 PM		
Source	DR. HOLLOW			
Requesting Physician	DR. HOLLOW			
SPEC1	SPEC2	SPEC3	SPEC4	SPEC5
IS01	IS02	IS03	IS04	IS05
Offline Tests	Incubation	18 Hours	CIN10 G-w/Auto 18hr	ID
FR1	Urea	+	Ornithine	-
FR2	Xylose	+	Sucrose	+
FR3	Trehalose	+	FR8	+
FR4	Maltose	+	Inositol	FR10
FR5	Fructose	+	Aesculin	+
FR6	Arabinose	+	TDA	+
FR7	Arginine	+	FR6	+
FR8	Malonate	-	Pyruvate	-
FR9			Citrate	+
FR10			Agmatine	+
Biocode	1DD94C44			
Category	Good			
Organism	1 Paratuberculosis	Probability Tests Against	Matrix Value	
		100.00 %	FR10	89
			FR2	93
			FR7	93