

Pneumococci & Haemophilus

Micronaut –S products are based on broth microdilution described in ISO20776-1:2006 referred to in EUCAST documents.

Unlike some automated systems MICRONAUT-S products are suitable for micro-aerophilic and anaerobic organisms.

MICRONAUT-S Pneumococci & Haemophilus

- offers testing of a broad panel of antibiotics on one test plate, and the determination of definitive MICs



H. influenzae

Comparative testing between BMD and gradient diffusion testing has highlighted concerns about the reliability of gradient diffusion tests for determining the MIC of *H. influenzae*

A EUCAST poster at ECCMID 2016 stated the correlation between gradient test MICs and BMD is poor for some antibiotics

P805 ECCMID 2016

Antibiotic Panel

Amoxicillin/Clavulanate
 Ampicillin
 Bacitracin
 Ceftriaxon
 Cefuroxim
 Ciprofloxacin
 Clarithromycin
 Clindamycin
 Colistin
 Doxycyclin
 Erythromycin
 Imipenem
 Moxifloxacin
 Penicillin G

MIC for all except
 Colistin & Bacitracin

Streptococcus pneumoniae resistance & M.I.C.

Streptococcus pneumoniae no longer has predictable antibiotic susceptibility. Strains with low-level penicillin resistance still respond to penicillin in respiratory tract infections and bacteraemia, but not in meningitis.

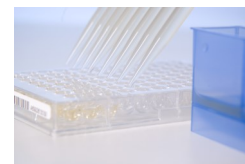
Where Oxacillin 1 µg is used as a screen for beta-lactam resistance EUCAST recommends an MIC is obtained where the zone is <20mm

EUCAST website 2015

MICRONAUT-S Pneumococci & Haemophilus plate layout.

Katalog-Nr.	Kategorie	Bezeichnung										MERLIN Diagnostika	
E1-067-100	H	MICRONAUT-S Pneumokokken & Haemophilus 3										Aktualisierungsdatum: 05.05.2014	
Layout												Druckdatum: 10.07.2014	
1 Test													
	1	2	3	4	5	6	7	8	9	10	11	12	
A	COL 2	AMP 16	AMC 16/2	CXM 16	CLR 16	CRO 16	IMP 8	ERY 16	CLI 8	CIP 16	MOX 8	DOX 16	
B	BCT 2	AMP 8	AMC 8/2	CXM 8	CLR 8	CRO 8	IMP 4	ERY 8	CLI 4	CIP 8	MOX 4	DOX 8	
C	PEN 2	AMP 4	AMC 4/2	CXM 4	CLR 4	CRO 4	IMP 2	ERY 4	CLI 2	CIP 4	MOX 2	DOX 4	
D	PEN 1	AMP 2	AMC 2/2	CXM 2	CLR 2	CRO 2	IMP 1	ERY 2	CLI 1	CIP 2	MOX 1	DOX 2	
E	PEN 0,5	AMP 1	AMC 1/2	CXM 1	CLR 1	CRO 1	IMP 0,5	ERY 1	CLI 0,5	CIP 1	MOX 0,5	DOX 1	
F	PEN 0,25	AMP 0,5	AMC 0,5/2	CXM 0,5	CLR 0,5	CRO 0,5	IMP 0,25	ERY 0,5	CLI 0,25	CIP 0,5	MOX 0,25	DOX 0,5	
G	PEN 0,125	AMP 0,25	AMC 0,25/2	CXM 0,25	CLR 0,25	CRO 0,25	IMP 0,125	ERY 0,25	CLI 0,125	CIP 0,25	MOX 0,125	DOX 0,25	
H	PEN 0,0625	AMP 0,125	AMC 0,125/2	CXM 0,125	CLR 0,125	CRO 0,125	IMP 0,0625	ERY 0,125	CLI 0,0625	CIP 0,125	MOX 0,0625	GC	

- AMC Amoxicillin/Clavulanate
- AMP Ampicillin
- BCT Bacitracin
- CRO Ceftriaxon
- CXM Cefuroxim
- CIP Ciprofloxacin
- CLR Clarithromycin
- CLI Clindamycin
- COL Colistin
- DOX Doxycyclin
- ERY Erythromycin
- IMP Imipenem
- MOX Moxafloxacin
- PEN Penicillin G
- GC Growth Control



Broth Microdilution Method
visit
www.bioconnections.net