

# E TEST APPLICATION SHEET

*Gonococci*

**EAS 011**

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**SPECIMEN** Uro-genital tract, oropharynx, conjunctiva, blood, CSF and sterile sites and tissues.

**PROCEDURE**

**Agar medium** GC agar base + defined supplements (NCCLS)<sup>2)</sup>  
Mueller Hinton + 1% IsoVitaleX (BD) + 1% haemoglobin (outside USA)

**Inoculum** Suspension in broth to 0.5 McFarland

**Incubation** 35°C/ 5% CO<sub>2</sub> / 20-24h.

**LITERATURE** Package insert, product labels, Etest Technical Guide, Media/Inoculum/Incubation, Reading & Trouble Shooting charts and Etest reference list.

QUALITY CONTROL (MIC µg/mL)	<i>N. gonorrhoeae</i> ATCC® 49226			<i>N. gonorrhoeae</i> ATCC® 49226		
Benzylpenicillin	PG	0.25-1		Spectinomycin <sup>1)</sup>	SC	8-32
Ceftriaxone	TX	0.004-0.016		Tetracycline	TC	0.25-1
Ciprofloxacin <sup>2)</sup>	CI	0.001-0.008				

INTERPRETATION NCCLS MIC Criteria (µg/mL) <sup>2)</sup>	S			I			R		
Benzylpenicillin <sup>3)</sup>	≤0.06	0.12-1	≥2	Spectinomycin <sup>1)</sup>	≤32	64	≥128		
Ceftriaxone	≤0.25	-	-	Tetracycline	≤0.25	0.5-1	≥2		
Ciprofloxacin	≤0.06	0.12-0.5	≥1						

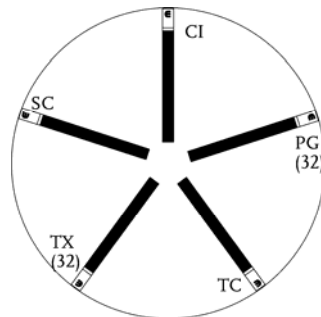
Notes

1. In the USA, for investigational use only
2. NCCLS M100-S14, 2004
3. If beta-lactamase positive, the strain should be reported as resistant to penicillins.

**READING PRECAUTIONS**

1. For bactericidal drugs, read the MIC at complete inhibition of all growth including microcolonies, hazes and isolated colonies.
2. For bacteriostatic drugs, read the MIC at 80% inhibition when trailing is seen.

**ANTIBIOGRAM**



Example only, please use your own formulary.

**REFERENCES**

1. Yeung et al. (1993) Evaluation of Etest for testing antimicrobial susceptibilities of *N. gonorrhoeae* isolates with different growth media. *JCM*. **31**(11); 3053-3055.
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3. Mehafeey et al. (1996). Evaluation of *in vitro* spectra of activity of azithromycin, clarithromycin, and erythromycin tested against strains of *N. gonorrhoeae* by reference agar dilution, disk diffusion, and Etest methods. *JCM*. **34**(2); 479-481.
4. Biedenbach et al. (1996). Comparative assessment of Etest for testing susceptibilities of *N. gonorrhoeae* to penicillin, tetracycline, ceftriaxone, cefotaxime and ciprofloxacin: investigation using 510(k) review criteria, recommended by the Food and Drug Administration. *JCM*. **34**(12); 3214-3217.
5. Ison C.A. (1996). Antimicrobial agents and gonorrhoea: therapeutic choice, resistance and susceptibility testing. *Genitourine Medicine*, **72**; 253-257.