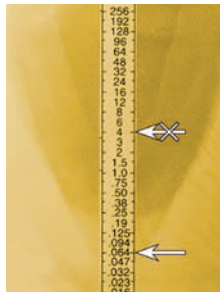
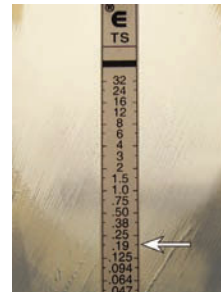




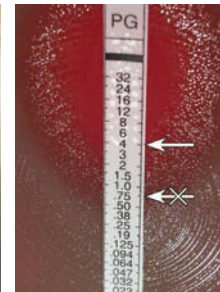
Ignore haemolysis (e.g. strep)  
Read growth; **0.032** µg/mL



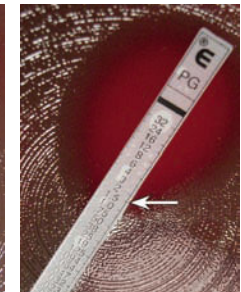
Ignore swarming (e.g. *Proteus* spp.)  
Read growth edge; **0.064** µg/mL



*S. maltophilia* – trim/sulfa  
Ignore haze in ellipse; **0.19** µg/mL

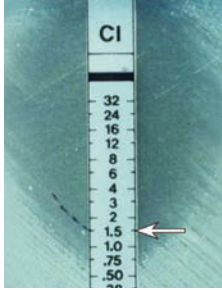


Pneumococci – β-lactams, read  
all growth; **4** µg/mL

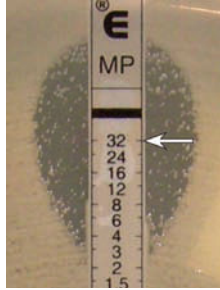


Pneumococci – β-lactams, read  
haze/inner colonies; **1.5** µg/mL

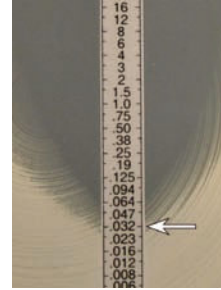
## DRUG EFFECTS



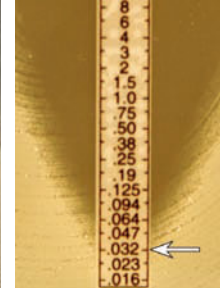
Bactericidal drugs – read hazes,  
microcolonies; **1.5** µg/mL



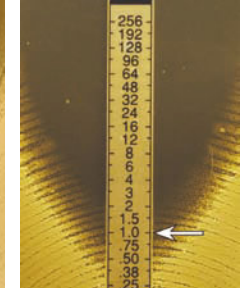
Bactericidal drugs – read macro/  
microcolonies; **≥32** µg/mL



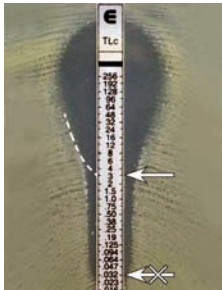
Bacteriostatic drugs – read at  
80% inhibition; **0.032** µg/mL



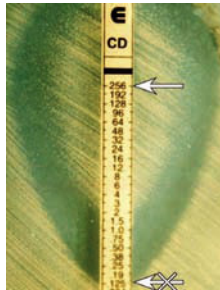
Tigecycline – read at 80%  
inhibition; **0.032** µg/mL



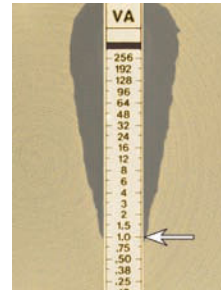
Linezolid – read at 90%  
inhibition; **1** µg/mL



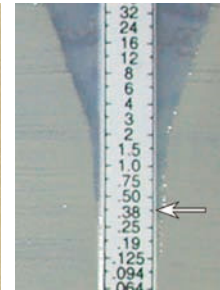
Intrinsic activity, clavulanate  
Extrapolate curve; **3** µg/mL



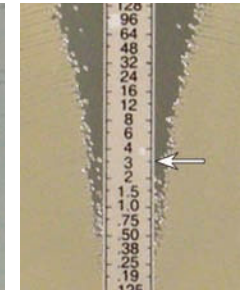
β-lactams – paradoxical effect  
Read all growth; **≥256** µg/mL



Glycopeptides – slim ellipse  
Read end of dip; **1** µg/mL

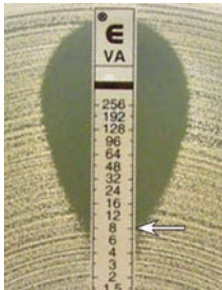


Polypeptides – slim ellipse  
Read bottom of dip; **0.38** µg/mL



Polypeptides – read colonies in  
the dip; **3** µg/mL

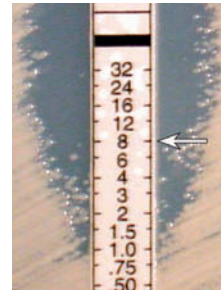
## RESISTANCE EFFECTS



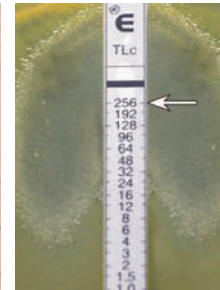
GISA/hGISA – vancomycin  
Read all growth; **8** µg/mL



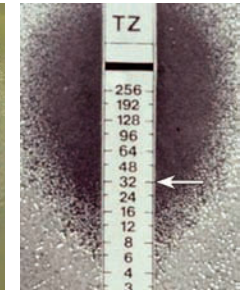
ORSA – oxacillin  
Read all growth; **64** µg/mL



KPC – carbapenems  
Read all colonies; **8** µg/mL

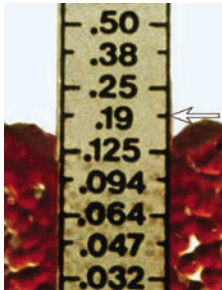


β-lactamase induction by  
clavulanate; **≥256** µg/mL

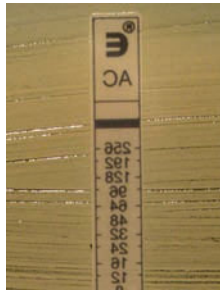


Small colony variants –  
bactericidal drugs; **32** µg/mL

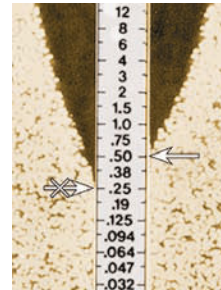
## TECHNICAL AND HANDLING



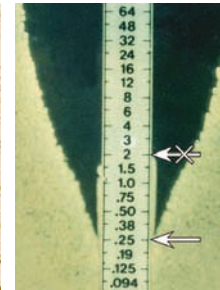
Between markings – read upper  
value; **0.19** µg/mL



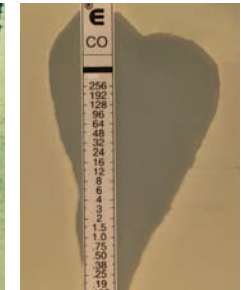
Etest strip placed upside down  
Invalid; repeat the test



Uneven – read upper value;  
if >1 dilution, repeat the test



Ignore line of growth  
alongside strip; **0.25** µg/mL



Distorted ellipse – wet surface,  
invalid; repeat the test