

# Antibiotic Susceptibility Zone Diameter Interpretation

| Antibiotic Name   | Antibiotic Code | Zone Diameter Standards (mm)    |                               |                                 | Control Zone Diameter Limits (mm) |                  |                                   |
|---|-----------------|---------------------------------|-------------------------------|---------------------------------|-----------------------------------|------------------|-----------------------------------|
|   |                 | Resistant                       | Intermediate                  | Susceptible                     | E.coli (25922)                    | S.aureus (25923) | Other                             |
| <b>Amikacin</b>   | AN-30           | <14                             | 15-16                         | >16                             | 19-26                             | 20-26            | P.aeruginosa<br>18-26             |
| <b>Ampicillin</b><br>-for gram- enterics<br>-for staphylococci<br>-for enterococci<br>-for Listeria<br>monocytogenes<br>-for Haemophilus<br>species | AM-10           | <13<br><28<br><16<br><19<br><18 | 14-16<br>-<br>-<br>-<br>19-21 | >17<br>>29<br>>17<br>>20<br>>22 | 16-22                             | 27-35            | H.influenzae<br><br><br><br>13-21 |
| <b>Erthromycin</b><br>-for S.pneumoniae<br>-for other organisms   | E-15            | <15<br><13                      | 16-20<br>14-22                | >21<br>>23                      | —                                 | 22-30            | S. pneumoniae<br>25-30            |
| <b>Gentamicin</b><br>-for testing enterococci<br>with high level resistance<br>-for other organisms   | GM-120<br>GM-10 | <6<br><12                       | 7-9<br>13-14                  | >10<br>>15                      | —<br>19-26                        | 19-27            | H.influenzae<br><br>16-21         |
| <b>Kanamycin</b>  | K-30            | <13                             | 14-17                         | >18                             | 17-25                             | 19-26            | —                                 |
| <b>Lincomycin</b>   |                 |                                 |                               |                                 |                                   |                  |                                   |
| <b>Neomycin</b>   | N-30            | <12                             | 13-16                         | >17                             | 17-23                             | 18-26            | —                                 |
| <b>Novobicin</b><br>-on Mueller Hinton<br>-on Mueller Hilton<br>w/blood   | NB-30           | <17<br><14                      | 18-21<br>15-16                | >22<br>>17                      | —                                 | 22-31            | —                                 |
| <b>Oxacillin</b><br>-for staphylococci<br>-for pneumoniae   | OFX-5           | <10<br>—                        | 11-12<br>—                    | >13<br>>20                      | —                                 | 18-24            | S. pneumoniae<br>8-12             |
| <b>Penicillin</b><br>-for staphylococci<br>-for enterococci<br>-for L.monocytogenes<br>-for N.gonorrhoeae   | P-10            | <28<br><14<br><19<br><26        | 27-46                         | >29<br>>15<br>>20<br>>47        | —                                 | 26-37            | N.gonorrhoeae<br>26-34            |
| <b>Polmyxin B</b>   | PB-300          | <8                              | 9-11                          | >12                             | 12-16                             | —                | —                                 |
| <b>Streptomycin</b><br>-for testing enterococci ;<br>for high level resistance<br>-for other organisms  | S-300<br>S-10   | <6<br><11                       | 7-9<br>12-14                  | >10<br>>15                      | —<br>12-20                        | 14-22            |                                   |

## Antibiotic Trade Names

| Antibiotic... | Trade Name....  |            |            |
|---------------|-----------------|------------|------------|
| Amikacin      | Amikin          |            |            |
| Ampicillin    | Amikin          | Ampicin    | Ampiclox   |
|               | Ampiclox-D      | Bi-Inmun   | Britapen   |
|               | Omnipen         | Pentrexyl  | Polycillin |
|               | Principen       | Totacillin |            |
| Erythromycin  | E-Mycin         | Erythrocin | Ilotycin   |
|               | Pantomicina     |            |            |
| Gentamicin    | Gentamicin      |            |            |
| Kanamycin     | Kantrex         |            |            |
| Lincomycin    | Lincocin        |            |            |
| Neomycin      | Mycifradin      | Neobiotic  |            |
| Novobicin     | Alba-Penicillin | Cathomycin |            |
| Oxacillin     | Prostaphlin     | Resistopen |            |
| Penicillin    | Alba-Penicillin |            |            |
| Polymycin B   | Aerosporin      |            |            |

## Antibiotic Cross - Reference

| Agar Description | Code   | BBL Cartridge# |
|------------------|--------|----------------|
| Amikacin         | AN-30  | 231596         |
| Ampicillin       | AM-2   | 230701         |
|                  | AM-10  | 230705         |
| -with Sulbactam  | SAM-20 | 231659         |
| Erythromycin     | E-2    | 230789         |
|                  | E-15   | 230793         |
| Gentamicin       | GM-10  | 231227         |
|                  | GM-120 | 231693         |
| Kanamycin        | K-5    | 230825         |
|                  | K-30   | 230829         |
| Lincomycin       | L-2    | 230841         |
| Neomycin         | N-5    | 230878         |
|                  | N-30   | 230882         |
| Novobicin        | NB-5   | 230886         |
|                  | NB-30  | 230890         |
| Oxacillin        | OA-2   | 231566         |
| Penicillin       | P-2    | 230914         |
|                  | P-10   | 230918         |
| Polymycin B      | PB-300 | 230926         |
| Steptomycin      | S-10   | 230942         |

