

Carondelet St. Joseph's Hospital- Tucson, Arizona

DEPARTMENT OF MICROBIOLOGY

ANTIBIOTIC SUSCEPTIBILITY OF COMMON ORGANISMS • NUMBERS ARE PERCENT SUSCEPTIBLE 2006 Microscan Method (January to August)

| BACTERIA | TOTAL ISO-LATES | A/S | AM | C | CAX | CAZ | CD | CFT | CFZ | CP# | CRM | CTN | E | FD* | GM | LVX | OX | P | PI | P/T | T/S | TE | VA |
|---|-----------------|-----|----|---|-----|-----|----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-----|-----|------|-----|-----|
| <i>Acinetobacter baumannii/haemolyticus</i> | 9* | | | | 78 | 78 | | 56 | | 67 | | | | | 89 | | | | 78 | | 56 | 44* | |
| <i>Citrobacter freundii grp</i> | 30 | 47 | | | 77 | | | 77 | | 90 | 70 | 80 | | 100 | 97 | | | | 77 | | 83 | 73 | |
| <i>Enterobacter cloacae</i> | 65 | 15 | | | 82 | | | 80 | | 89 | 63 | 37 | | 76 | 89 | | | | 78 | | 78 | 57 | |
| <i>E. coli</i> | 918 | 60 | 59 | | 99 | | | 99 | 95 | 87 | 98 | 99 | | 98 | 95 | | | | 91 | | 78 | 72 | |
| <i>Klebsiella pneumoniae</i> | 178 | 35 | | | 100 | | | 100 | 94 | 99 | 97 | 100 | | 91 | 98 | | | | 100 | | 93 | 81 | |
| <i>Morganella morganii</i> | 4* | 0 | | | 75 | | | 75 | | 75 | 0 | 100 | | 0 | 75 | | | | 75 | | 75 | 75 | |
| <i>Pseudomonas aeruginosa</i> | 172 | | | | | 92 | | | | | | | | | 84 | 73 | | | | 96 | | | |
| <i>Proteus mirabilis/penneri grp</i> | 54 | 91 | 85 | | 98 | | | 96 | 91 | | 94 | 100 | | | 94 | 96 | | | | 100 | 93 | | |
| <i>Stenotrophomonas maltophilia</i> | 9* | | | | 14 | 29 | | 14 | | | | | | | 29 | 100 | | | | | 100 | | |
| <i>Serratia marcescens</i> | 23 | | | | 48 | | | 100 | | 87 | | 70 | | | 100 | | | | | | 96 | | |
| <i>Staphylococcus coagulase-negative</i> | 244 | | | | | | 66 | | 40 | | | | 32 | 98 | 78 | 45 | 40 | 16 | | | 69 | 77 | 100 |
| <i>Enterococcus sp.</i> | 275 | | 84 | | | | | | | | | | | 90 | | 55* | | 84 | | | | | 85 |
| <i>Staphylococcus aureus</i> | 697 | | | | | | 70 | | 43 | | | | 35 | 100 | 98 | 50 | 43 | 8 | | | 99 | 99 | 100 |
| <i>Streptococcus pneumoniae</i> | 94 | | | | 95 | | | | | | | | 89** | | | 97 | | 90^ | | | 86** | | |

* May not be statistically valid

| | |
|-------------------|------------|
| MRSA Rate: | 57% |
| VRE Rate: | 15% |

| | | | | | | | |
|-----|-------------|-----|-------------------------|-----|----------------|-----|---------------|
| A/S | Unasyn | CP | Ciprofloxacin | FD | Nitrofurantoin | T/S | Trimeth/sulfa |
| AM | Ampicillin | CRM | Cefuroxime | GM | Gentamicin | TE | Tetracycline |
| CAX | Ceftriaxone | CTN | Cefotetan | LVX | Levofloxacin | TIM | Timentin |
| CAZ | Ceftazidime | E | Erythromycin | OX | Oxacillin | VA | Vancomycin |
| CD | Clindamycin | P | Penicillin | | | | |
| CFT | Cefotaxime | PI | Piperacillin | | | | |
| | | P/T | Piperacillin/Tazobactam | | | | |

*= urine isolates only
**= not for blood /CSF isolates

^Penicillin sensitivity: 90% sensitive, 5% intermediate, 5% resistant.

CP#- Organisms susceptible to ciprofloxacin are likely to be susceptible to levofloxacin. If resistant, susceptibility to levofloxacin is likely to be marginal at best (J Antimicrobiol Chemoth. 2001; 48. Suppl. S1,87)

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