

### ABBREVIATIONS

AMK - Amikacin  
 AMP - Ampicillin  
 AMT- Amphotericin B  
 AZM-Azithromycin  
 CAP - Capreomycin  
 CFM - Cefixime  
 CIP - Ciprofloxacin  
 CLI - Clindamycin  
 CLR - Chloramphenicol  
 CRO - Ceftriaxone  
 CXM - Cefuroxime  
 DOX - Doxycycline  
 ERY - Erythromycin  
 ETHAM - Ethambutol  
 ETHION - Ethionamide  
 FLUC - Fluconazole  
 INH - Isoniazid  
 IPM - Imipenem  
 K - Kanamycin  
 LEVO - Levofloxacin  
 MOX- Moxifloxacin  
 NT - Not Tested  
 OFX - Ofloxacin  
 PEN - Penicillin  
 RIF - Rifampicin  
 STREP - Streptomycin  
 SXT - Co-trimoxazole  
 TET - Tetracycline  
 VAN - Vancomycin  
 VORI - Voriconazole

| <b>AKUH /ALL PATIENTS. PRECENT SENSITIVE Jul-Dec 2017</b> |                        |             |                 |              |                 |                 |               |            |            |            |                        |
|---|------------------------|-------------|-----------------|--------------|-----------------|-----------------|---------------|------------|------------|------------|------------------------|
| <b>Organism</b>   | <b>n *</b>             | <b>AMP</b>  | <b>CLR</b>      | <b>CXM</b>   | <b>CRO</b>      | <b>CFM</b>      | <b>CIP</b>    | <b>SXT</b> | <b>TET</b> | <b>ERY</b> | <b>AZM<sup>∞</sup></b> |
| <i>Aeromonas hydrophila</i>                               | 124                    | NT          | NT              | 66           | 68              | NT              | 80            | 67         | NT         | NT         | NT                     |
| <i>Campylobacter species</i>                              | 133                    | NT          | NT              | NT           | NT              | NT              | 11            | NT         | 66         | 90         | NT                     |
| <i>Salmonella</i> Typhi, Para A,B & C                     | 1053                   | 43          | 42              | NT           | 71 <sup>α</sup> | 71 <sup>α</sup> | 1             | 42         | NT         | NT         | 100                    |
| <i>Shigella species</i>                                   | 68                     | 29          | 69              | NT           | 63              | 62              | 68            | 16         | NT         | NT         | NT                     |
| <b>n *</b>  | <b>AMP</b>             | <b>CLR</b>  | <b>PEN</b>      | <b>CRO</b>   | <b>ERY</b>      | <b>CIP</b>      | <b>SXT</b>    | <b>TET</b> |            |            |                        |
| <i>Haemophilus influenzae</i>                             | 176                    | 94          | 91              | NT           | 100             | NT              | 65            | 31         | 91         |            |                        |
| <i>Moraxella catarrhalis</i>                              | 54                     | 00          | 86              | NT           | NT              | 48              | 43            | 34         | 65         |            |                        |
| <i>Neisseria gonorrhoea</i>                               | 30                     | NT          | NT              | 78           | 100             | NT              | 14            | NT         | 38         |            |                        |
| <b>n *</b>  | <b>CLI</b>             | <b>PEN</b>  | <b>CLR</b>      | <b>ERY</b>   | <b>VAN</b>      | <b>LEVO/OFX</b> | <b>SXT</b>    | <b>TET</b> |            |            |                        |
| <i>Beta haemolytic strep. A</i>                           | 248                    | 64          | 100             | 83           | 61              | 100             | 92            | NT         | NT         |            |                        |
| <i>Streptococcus pneumoniae</i>                           | 117                    | NT          | 87 <sup>β</sup> | 90           | 48              | 100             | 96            | 29         | 33         |            |                        |
| <b>n *</b>  | <b>INH</b>             | <b>RIF</b>  | <b>STREP</b>    | <b>ETHAM</b> | <b>CAP</b>      | <b>OFX</b>      | <b>ETHION</b> | <b>AMK</b> | <b>K</b>   |            |                        |
| <i>Mycobacterium tuberculosis</i>                         | 742                    | 80          | 88              | 83           | 86              | 96              | 75            | 96         | 98         | 98         |                        |
| <b>n *</b>  | <b>AMK</b>             | <b>AMC</b>  | <b>DOX</b>      | <b>IPM</b>   | <b>CIP</b>      | <b>SXT</b>      | <b>MOX</b>    |            |            |            |                        |
| <i>Nocardia species</i>                                   | 41                     | 98          | 17              | 53           | 15              | 15              | 95            | 26         |            |            |                        |
| <b>n *</b>  | <b>AMT<sup>†</sup></b> | <b>FLUC</b> | <b>VORI</b>     |              |                 |                 |               |            |            |            |                        |
| <i>Candida species</i>                                    | 588                    | 99.6        | 76              | 97           |                 |                 |               |            |            |            |                        |

\*= Total Isolates

†= Tested only on fluconazole resistant isolates

<sup>α</sup> = Susceptibility data for Salmonella Typhi, Paratyphi A, B, C Includes outbreak strains of Ceftriaxone Resistant Salmonella Typhi.

<sup>β</sup> = Susceptibility data includes meningitic and non-meningitic isolates.

<sup>∞</sup>= Tested only on Ceftriaxone resistant isolates.

**Note:** Susceptibility profiles are derived from all specimen received by the Clinical Microbiology Laboratory. Antibiotic susceptibilities of bacteria recovered from specific wards or populations may differ.



**Aga Khan University Hospital**

**Clinical Laboratory**

**Microbiology**

**ANTIBIOTIC SUSCEPTIBILITY REPORT**

**Jul-Dec 2017**

Telephone: 34930051 ext. 1680,1682

Between 9:00 -5;00 pm

During weekdays (Mon-Fri)

| <b>AKUH INPATIENT. PERCENT SENSITIVE Jul-Dec 2017</b>  |                        |             |             |            |             |            |            |            |                 |            |                  |            |            |            |
|--|------------------------|-------------|-------------|------------|-------------|------------|------------|------------|-----------------|------------|------------------|------------|------------|------------|
| <b>Organism</b>  | <b>n*</b>              | <b>AMP</b>  | <b>ATM</b>  | <b>CEF</b> | <b>CXM</b>  | <b>CRO</b> | <b>CAZ</b> | <b>TZP</b> | <b>IPM/MEM</b>  | <b>AMK</b> | <b>GEN</b>       | <b>CIP</b> | <b>SXT</b> | <b>CT±</b> |
| <i>Acinetobacter species</i>                           | 285                    | NT          | NT          | NT         | NT          | NT         | 7          | 11         | 11              | 45         | 34               | 11         | 34         | 99         |
| <i>E.coli</i>  | 832                    | 5           | 27          | 15         | 13          | 18         | NT         | 64         | 86              | 94         | 66               | 27         | 29         | 100        |
| <i>Enterobacter species</i>                            | 73                     | 0           | 44          | 45         | 44          | 45         | NT         | 78         | 85              | 92         | 64               | 68         | 58         | NT         |
| <i>Klebsiella pneumoniae</i>                           | 413                    | 0           | 31          | 22         | 19          | 29         | NT         | 70         | 68              | 83         | 71               | 62         | 37         | 92         |
| <i>Pseudomonas aeruginosa</i>                          | 448                    | NT          | 60          | NT         | NT          | NT         | 81         | 83         | 77              | 86         | 82               | 81         | NT         | 100        |
| <i>Proteus mirabilis</i>                               | 53                     | 26          | 68          | 49         | 47          | 57         | NT         | 96         | 91              | 91         | 70               | 58         | 36         | NT         |
| <b>n*</b>  | <b>CAZ</b>             | <b>LEV</b>  | <b>SXT</b>  | <b>TET</b> | <b>MINO</b> | <b>MEM</b> |            |            |                 |            |                  |            |            |            |
| <i>Stenotrophomonas maltophilia</i>                    | 68                     | 62          | 98          | 91         | NT          | 88         | NT         |            |                 |            |                  |            |            |            |
| <i>Burkholderia cepacia</i>                            | 34                     | 83          | 43          | 79         | NT          | 91         | 71         |            |                 |            |                  |            |            |            |
| <b>n*</b>  | <b>AMP</b>             | <b>CLR</b>  | <b>OX</b>   | <b>FD</b>  | <b>PEN</b>  | <b>ERY</b> | <b>CLI</b> | <b>VAN</b> | <b>TET</b>      | <b>GEN</b> | <b>LEVO/ CIP</b> | <b>SXT</b> |            |            |
| <i>Enterococcus species</i>                            | 434                    | 49          | 87          | NT         | NT          | NT         | NT         | 75         | 39              | 32         | 7                | NT         |            |            |
| <i>Staphylococcus aureus</i>                           | 450                    | NT          | 92          | 33         | 75          | 0.5        | 44         | 73         | 100             | 59         | 56               | 37         | 54         |            |
| <i>Coagulase negative Staph.</i>                       | 632                    | NT          | 63          | 21         | NT          | 0          | 20         | 57         | 100             | 64         | 79               | 48         | 45         |            |
| <b>n*</b>  | <b>AMT<sup>†</sup></b> | <b>FLUC</b> | <b>VORI</b> |            |             |            |            |            |                 |            |                  |            |            |            |
| <i>Candida spp.</i>                                    | 216                    | 98          | 64          | 95         |             |            |            |            |                 |            |                  |            |            |            |
| <b>AKUH OUTPATIENT. PRECENT SENSITIVE Jul-Dec 2017</b> |                        |             |             |            |             |            |            |            |                 |            |                  |            |            |            |
| <b>Organism</b>  | <b>n*</b>              | <b>AMP</b>  | <b>ATM</b>  | <b>CEF</b> | <b>CXM</b>  | <b>CRO</b> | <b>CAZ</b> | <b>TZP</b> | <b>IPM/MEM</b>  | <b>AMK</b> | <b>GEN</b>       | <b>CIP</b> | <b>SXT</b> |            |
| <i>Acinetobacter group</i>                             | 511                    | NT          | NT          | NT         | NT          | NT         | 46         | 45         | 49              | 63         | 57               | 41         | 52         |            |
| <i>E.coli</i>  | 7668                   | 9           | 46          | 30         | 26          | 32         | NT         | 86         | 96              | 96         | 67               | 35         | 31         |            |
| <i>Enterobacter species</i>                            | 345                    | 0           | 56          | 52         | 51          | 54         | NT         | 80         | 86              | 89         | 72               | 72         | 58         |            |
| <i>Klebsiella pneumoniae</i>                           | 1987                   | 0           | 51          | 46         | 42          | 48         | NT         | 78         | 86              | 82         | 71               | 62         | 49         |            |
| <i>Pseudomonas aeruginosa</i>                          | 2130                   | NT          | 74          | NT         | NT          | NT         | 80         | 84         | 83              | 84         | 73               | 72         | NT         |            |
| <i>Proteus mirabilis</i>                               | 333                    | 54          | 80          | 54         | 52          | 62         | NT         | 97         | 98              | 88         | 67               | 63         | 32         |            |
| <b>n*</b>  | <b>CAZ</b>             | <b>LEV</b>  | <b>SXT</b>  | <b>TET</b> | <b>MINO</b> | <b>MEM</b> |            |            |                 |            |                  |            |            |            |
| <i>Stenotrophomonas maltophilia</i>                    | 111                    | 59          | 89          | 93         | NT          | 98         | NT         |            |                 |            |                  |            |            |            |
| <i>Burkholderia cepacia</i>                            | 252                    | 87          | 22          | 93         | NT          | 94         | 68         |            |                 |            |                  |            |            |            |
| <b>n*</b>  | <b>AMP</b>             | <b>CLR</b>  | <b>OX</b>   | <b>FD</b>  | <b>PEN</b>  | <b>ERY</b> | <b>CLI</b> | <b>VAN</b> | <b>TET/DOXY</b> | <b>GEN</b> | <b>LEVO/ CIP</b> | <b>SXT</b> |            |            |
| <i>Enterococcus species</i>                            | 1665                   | 78          | 85          | NT         | NT          | NT         | NT         | 94         | 28              | NT         | 13               | NT         |            |            |
| <i>Staphylococcus aureus</i>                           | 2288                   | NT          | 100         | 65         | 92          | 4          | 47         | 80         | 100             | 67         | 71               | 37         | 48         |            |
| <i>Coagulase negative Staph.</i>                       | 1550                   | NT          | 92          | 67         | NT          | 11         | 22         | 61         | 100             | 59         | 68               | 45         | 45         |            |

**ABBREVIATIONS**

- AMK - Amikacin
- AMP - Ampicillin
- ATM - Aztreonam
- AMT- Amphotericin B
- CAZ - Ceftazidime
- CEF - Cefixime
- CIP - Ciprofloxacin
- CLI - Clindamycin
- CLR - Chloramphenicol
- CRO - Ceftriaxone
- CXM - Cefuroxime
- DOXY- Doxycycline
- ERY - Erythromycin
- FD - Fusidic acid
- FLUC - Fluconazole
- GEN - Gentamicin
- IPM - Imipenem
- LEVO - Levofloxacin
- MEM - Meropenem
- MINO - Minocycline
- NT - Not Tested
- OFX - Ofloxacin
- OX - Oxacillin
- PEN - Penicillin
- SXT - Co-trimoxazole
- TET - Tetracycline
- TZP- Piperacillin/Tazobactam
- VAN - Vancomycin
- VORI - Voriconazole

\* = Total Isolates, †Tested only on fluconazole resistant isolates, ± Tested only on carbapenem resistant isolates