

**BC Children's Hospital and
BC Women's Hospital & Health Centre**



CUMULATIVE ANTIBIOGRAM

2017

**Division of Medical Microbiology
Department of Pathology and Laboratory Medicine**

Medical Approval: Dr. P. Tilley

Version: 1.1

Folder Name: CW\Microbiology\General

Medical Approval Date: Nov 21, 2018

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GRAM-POSITIVE BACTERIA	Total Number of Isolates (N)*	PERCENTAGE (%) OF SUSCEPTIBLE CLINICAL ISOLATES														
		Ampicillin	Amox/Clav	Penicillin	Cloxacillin	Cefazolin	Cephalexin	Ceftriaxone (CNS)	Ceftriaxone	Vancomycin	Erythromycin	Clindamycin	Trimeth/Sulfa	Doxycycline	Nitrofurantoin#	Linezolid
<i>Enterococcus faecalis</i>	233	100				R	R			100					96	
<i>Enterococcus faecium</i> **	37	32				R	R			62						100
<i>S. aureus</i> -all isolates	1439		80		80	80	80			100	70	78	94	97		99
MRSA isolates only	307	R	R	R	R	R	R		R	100	41	66	87	94		99
Coagulase Negative <i>Staphylococcus</i>	169				20	20				100			87			100
<i>Streptococcus pneumoniae</i> † **	89			100				97 α	100		82	89				
<i>Viridans Streptococci</i> **	65	70		65					92	100						
<i>Streptococcus pyogenes</i> (Group A)	546			100					100	100	92	92				

Legend

- R This organism is inherently resistant to this antibiotic
- * Not all isolates had susceptibility testing for all antibiotics
- ** 2016 and 2017 numbers combined due to small number of annual isolates
- # Tested on urine isolates only, should only be used for treatment of simple cystitis
- † Susceptibilities reflect non-CNS infection breakpoints (except ceftriaxone)
- α Based on 31 isolates

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GRAM-NEGATIVE BACTERIA	Total Number of Isolates (N)*	PERCENTAGE (%) OF SUSCEPTIBLE CLINICAL ISOLATES												
		Ampicillin	Amox/Clav	Pip/Tazobactam	Cefazolin	Cephalexin	Cefotaxime	Ceftazidime	Meropenem	Gentamicin	Tobramycin	Trimeth/Sulfa	Ciprofloxacin	Nitrofurantoin #
<i>Escherichia coli</i> (all sites)	700	46	45	96	34		86		100	91	91	70	84	
<i>Escherichia coli</i> (urine only)	556	50	49	98		88	90		100	92	92	73	88	99
<i>Klebsiella pneumoniae</i>	72	R	60	79	45		68		100	69	71	90	72	38
<i>Enterobacter cloacae</i> complex (<i>asburiae</i> , <i>kobei</i> , <i>cloacae</i>)	41	R	R						100	95	95	73	100	28
<i>Proteus mirabilis</i>	47	83	91	100	0	94	98		100	98	98	89	100	0
<i>Pseudomonas aeruginosa</i> ††	174	R	R	69	R	R	R	90	87	90	91	R	92	R
<i>Haemophilus influenzae</i>	109	64	95				100					65		

Legend

- R This organism is inherently resistant to this antibiotic
- * Not all isolates had susceptibility testing for all antibiotics
- # Tested on urine isolates only, should only be used for treatment of simple cystitis
- †† Isolates from Cystic Fibrosis patients are included

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Infection Prevention & Control Additional Precautions	
Contact	<ul style="list-style-type: none"> • Single room • HCW: gloves and gowns for direct care
Contact Plus	<ul style="list-style-type: none"> • Single room • HCW: gloves and gowns for direct care • Use sporicidal disinfectant
Droplet	<ul style="list-style-type: none"> • Single room • HCW: surgical / procedure mask and eye protection • Patient: mask when outside room if possible
Droplet & Contact	<ul style="list-style-type: none"> • Combine all elements of both
Airborne	<ul style="list-style-type: none"> • Negative pressure room with door closed • HCW: N95 Respirator on entry • Patient: surgical / procedure mask when outside room
Airborne & Contact	<ul style="list-style-type: none"> • Combine all elements of both
<p>Routine practices are used with ALL patients at ALL times in ALL health care settings.</p>	
<p>Your 4 moments for Hand Hygiene:</p> <ol style="list-style-type: none"> 1. Before patient / patient environment contact 2. Before aseptic procedure 3. After body fluid exposure risk 4. After patient / patient environment contact 	

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