

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



CUMULATIVE ANTIBIOGRAM

2018

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

Data in this 2018 antibiogram represent patients, not isolates. Only the first isolate for a given patient is included and therefore susceptibility rates cannot be compared directly with previous antibiograms that were based on total annual isolates.

Medical Approval: Dr. Peter Tilley

Version: 1

Folder Name: CW\Microbiology\General

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Medical Approval Date:

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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>	90	100				R	R			100					99	98
<i>S. aureus</i> – all isolates	774		90		90	90	90			100	77	84	95	96		100
MRSA isolates only	85	R	R	R	R	R	R		R	100	48	90	94	90		100
Coagulase Negative <i>Staphylococcus</i>	65				57	57				100			76			100
<i>Streptococcus pneumoniae</i> †	25**			100					95	100		64	84			
<i>Viridans Streptococci</i>	27**			74						85	100					
<i>Streptococcus pyogenes</i> (Group A)	345			100						100	100	87	88			

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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)	464	50	47	96	56 α		87		100	90	90	72	80	
<i>Escherichia coli</i> (urine only)	415	52	49	97		88	89		100	91	91	72	82	99
<i>Klebsiella pneumoniae</i>	61	R	67	85	83		98		100	100		87	98	51
<i>Enterobacter cloacae</i> complex (<i>asburiae</i> , <i>kobei</i> , <i>cloacae</i>)	25**	R	R						100	100	100	88	100	44
<i>Proteus mirabilis</i>	44	72	95	98	0	98	98			96	97	77	88	0
<i>Pseudomonas aeruginosa</i>	80	R	R	66	R	R	R	89	88	94	95	R	88	R
<i>Haemophilus influenzae</i>	65	74	94				97					52		

For less common organisms not in this annual antibiogram, refer to the 3 year antibiogram

Legend

- R This organism is inherently resistant to this antibiotic
- * Not all isolates had susceptibility testing for all antibiotics. Only clinical isolates.
- ** Due to small number of annual isolates, interpret with caution
- # Tested on urine isolates only, should only be used for treatment of simple cystitis
- † Susceptibilities reflect non-CNS infection breakpoints (except where indicated)
- α Based on non-urine isolates only

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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"> • Airborne isolation room with door closed • HCW: Fit-tested N95 respirator on entry • Patient: surgical/procedure mask when outside room
Airborne & Contact	<ul style="list-style-type: none"> • Combine all elements of both

Routine Practices are used with ALL patients at ALL times in ALL health care settings.

Your 4 moments for Hand Hygiene:

- 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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