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| Infection Prevention Notification and MDH Submission of Isolates.  |
| **Purpose** | This policy provides guidance for the notification of Infection Prevention of qualifying lab results and the submission of isolates to MDH for the Emerging Infectious Pathogen (EIP) program. |
| **Principal and Clinical Significance** | Children’s Minnesota complies with applicable state and local laws and regulations regarding the reporting and submission of clinical isolates of infectious disease pathogens. The Microbiology lab will notify Infection Prevention of organisms that may need immediate intervention by Infection Prevention. |
| **Policy Statements** | This procedure applies to Microbiologists who perform testing, culture set-up and plate reading. |
| **Special Safety Precautions** | Microbiologists are subject to occupational risks associated with specimen handling.1. [*Biohazard Containment*](file:///%5C%5Ckidsnet.childrenshc.org%5Cchcdfs%5Cdept%5CLab%20Procedures%5CMicro%20Procedure%20Manuals%5CMC%20200%20%20%20%20Safety%5CMC%20201%20%20%20Biohazard%20Containment.doc)
2. [*Biohazardous Spills*](file:///%5C%5Ckidsnet.childrenshc.org%5Cchcdfs%5Cdept%5CLab%20Procedures%5CMicro%20Procedure%20Manuals%5CMC%20200%20%20%20%20Safety%5CMC%20204%20%20%20Biohazardous%20spills.doc)
3. [*Safety in the Microbiology Laboratory*](file:///%5C%5Ckidsnet.childrenshc.org%5Cchcdfs%5Cdept%5CLab%20Procedures%5CMicro%20Procedure%20Manuals%5CMC%20200%20%20%20%20Safety%5CMC%20202%20%20%20Safety%20in%20the%20Microbiology%20Lab%20Policy.doc)
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| **Infection Prevention Notification** | 1. Notify Infection Prevention with the following highly suspected or confirmed laboratory results: -call as soon as the results are available.
2. Call Infection Prevention at extension 6-5555, (651) 220-5555 or alpha page at (952) 260-9021.
	1. CSF cultures
3. Gram negative cocci/diplococci seen in Gram smear
4. *Neisseria meningitidis*
	1. Blood cultures
5. Gram negative cocci/diplococci seen in Gram smear
6. *Neisseria meningitidis*
	1. Any culture positive for potential agents of Bioterrorism--*Bacillus anthracis, Brucella, Burkholderia mallei/pseudomallei, Francisella tularensis, Yersinia pestis or Coxsiella (*Note: Notification of Infectious Disease physician is also necessary. Use AMION application to get the on-call doctor).
	2. Any culture positive for *Vibrio Cholera*
	3. Positive *Clostridium botulinum* toxin
	4. Any culture positive for *Corynebacterium diphtheriae*
	5. All organisms identified as a confirmed Carbapenemase producers.
* **Call/page** with confirmed Carbapenemase positive result (mCIM result). Document call in Sunquest. Do not report the preliminary results in Sunquest until hard copy report is received.
* Mechanism result does not need to be called as that result will be reported in Sunquest.
* Notification is not necessary after the first positive with same organism. Use code PRAC in Sunquest.
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| **MDH Submission of Clinical Isolates** | 1. The Micro lab must submit an isolate from reportable diseases if available to the Minnesota Department of Health. See MDH web site (link below) for current list of organisms or poster in Micro. (<http://www.health.state.mn.us/diseasereport>)
2. Subculture the isolate to nutrient agar slant, SB slant, (if SPNE or β-hemolytic strep) or CHOC (if HFLU or NMEN). Incubate in CO2 overnight for good growth.
3. Fill out the MDH reportable form and send the isolate to MDH with courier M-F.
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| **Result Reporting** | Call results to Infection Prevention at 6-5555. Document date and time called in Sunquest MRE *Culture Entry* tab in Observations Example:1. 3+ KLEBSIELLA PNEUMONIAE Carbapenemase producer (KPC) \*\*MDRO, Infectious Disease consult required.

 2. MULTIPLE DRUG RESISTANT ORGANSIM (MDRO): This organism requires SPECIAL CONTACT PRECAUTIONS. Please call Infection Prevention.1. \*\*Called to Infection Prevention , Wendy Berg RN @ 1300 on 7/7/03
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| **References** | 1. Infection Control Memo February 2012, Julie LeBlanc
2. MDH web site 4/16/2020
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| **Training Plan/ Competency Assessment** | **Training Plan** | **Initial Competency Assessment** |
| 1. Employee must read the procedure.
 | 1. Review of called results by Microbiology Technical Specialist or designee.
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| **Historical Record** |  |  |  |  |
|  | **Version** | **Written/Revised by:** | **Effective Date:** | **Summary of Revisions** |
| 1 | Pat Ackerman | 5/11/1993 | Initial Version |
| 1.1 | Pat Ackerman | 7/20/2004 | Reformatting |
| 1.2 | Pat Ackerman | 9/2/2005 | Reformatting |
|  | 1.3 | Pat Ackerman | 8/7/2007 | Updated Mysis 6.2 reporting |  |  |
| 1.4 | Becky Carlson | 02/27/2009 | Added carbapenemase producing organisms. |
| 1.5 | Becky Carlson | 11/02/2010 | Reformatting & Added MDH submission information and hyperlink |
|  | 1.6 | Becky Carlson | 06/23/2011 | Removed *E.coli 0157* |
|  | 1.7 | Becky Carlson/Helen Stefan | 05/16/2012 | Added Agents of Bioterrorism, Vibrio, C.botulinum, C. diphtheriae, Measles, Mumps, Rubella, Polio, Smallpox, Orthopox |
|  | 1.8 | Becky Carlson/Helen Stefan | 06/15/2012 | Added Suspect Case notification provision. Added Coxsiella. Removed notification for Haemophilus, and Strep pneumo. Pertussis and positive AFB smears or MTB cx. |
|  | 1.9 | Becky Carlson/Helen Stefan | 3/10/2015 | Removed IP notification of ESBL.Added “possible” to the KPC producer letter g. |
|  | 2 | Becky Carlson/Helen Stefan | 4/4/2015 | Re-numbered from MC 302, added reporting novel influenza subtypes |
|  | 3 | Susan DeMeyere | 10/11/2017 | Changed logo. Removed KPC from Carbapenemase Producers. |
|  | 4 | Susan DeMeyere | 10/13/2022 | Update instructions for calling CPO results. |
|  | 5 | Susan DeMeyere | 5/5/2023 | Removed IP notification with MDRO and PSAR 3 classes with resistance.  |