<table>
<thead>
<tr>
<th>Common Uropathogens</th>
<th>Uncommon Uropathogens</th>
<th>Normal Flora</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Enterobacter</em> spp.</td>
<td><em>Corynebacterium jeikeum</em></td>
<td><em>Bacillus</em> spp.</td>
</tr>
<tr>
<td><em>Enterococcus</em> spp.</td>
<td><em>Corynebacterium group D-2</em></td>
<td><em>Diptheroids</em></td>
</tr>
<tr>
<td><em>Escherichia coli</em></td>
<td><em>Garnderella vaginalis</em></td>
<td><em>Lactobacillus</em></td>
</tr>
<tr>
<td><em>Klebsiella</em> spp.</td>
<td><em>Neisseria gonorrhoeae</em></td>
<td><em>Micrococcus</em></td>
</tr>
<tr>
<td><em>Morganella morgani</em></td>
<td><em>Streptococcus Group B</em></td>
<td><em>Streptococci (viridans)</em></td>
</tr>
<tr>
<td><em>Proteus</em> spp.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Providencia</em> spp.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Pseudomonas aeruginosa</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Serratia marcescens</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Staphylococci (coagulase-negative)</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Staphylococcus aureus</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Staphylococcus saprophyticus</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Yeasts</em></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Clean Catch and Straight Catheter Urine

**Specimens which lack collection information should be treated as clean catch samples.**

**To provide support for the diagnosis of acute urethral syndrome (infection of the urinary tract in women by pathogens with low counts or fastidious pathogens), presumptive E. coli, Klebsiella, Proteus and S. saprophyticus are identified, even if they are part of mixed flora.**

---

**Workup**

- Up to 3 organisms maximum
- Any amount of the following uropathogens:
  - *Enterobacteriaceae* spp.** (do susceptibility)
  - *Staphylococcus saprophyticus*
- If > 50,000/ org do ID and susceptibility on other uropathogens
- If < 50,000/ org do Gram ID and no susceptibility
- Report > 10,000 yeasts (report as few, moderate or many)

If one of the uropathogens above is seen in addition to many other contaminants such as vaginal flora, then work up the uropathogen(s) and include a comment about the contamination.

---

* WBC positive females and all children =/< 13 yr old (Only do leukocyte esterase on urines not in preservative; if received in preservative (gray top tube), then assume WBC is positive for workup purposes).
  - 0.001 ml loop: BA/EMB
  - 0.01 ml loop: BA

* WBC negative females and all children =/< 13 yr old, all males
  - 0.001 ml loop: BA/EMB

---

C:\Documents and Settings\jmercurio\Local Settings\Temporary Internet Files\OLK5E\urine flow chart 4-02.rtf
Indwelling Catheter Urine

0.001 ml loop: BA/EMB

Workup

Up to 2 organisms
  Any organism, report count
  Do ID and susceptibility on uropathogens
  Do only Gram ID if not the usual uropathogens
If 3 or more organisms, hold plate, review records*, consult with M.D.
Report > 10,000 yeasts

Urine obtained by Sterile Technique
(suprapubic aspirate and cystoscopic procedure)

0.001 ml loop: BA/EMB and 0.01 ml loop BA

Workup

Report count on any organisms
If 3 or more organisms, hold plate, review records, consult with M.D.

* Previous cultures are reviewed because a new organism, or an organism present in higher numbers in the latest culture, is most likely the causative pathogen and thus may be required to undergo susceptibility tests.