

**CFOX** = Cefoxitin  
**OX** = Oxacillin  
**CFOX scr well** = Cefoxitin screen well on GPS card

**&1836** If patient is not responding to empiric therapy, consult the Microbiology laboratory.

**&A89** Susceptibility testing of topical antibiotics is not standardized and is not routinely performed on superficial eye infections.

**&cx00** This organism is cloxacillin resistant and is resistant to all beta-lactam agents.

**Note 1:** Screen for oxacillin resistance only. Susceptibility testing should only be performed upon physician request.

**Note 2:** Screen for oxacillin resistance only. Susceptibility testing of superficial eye specimens not routinely performed.

**S. aureus SCV  
(small colony variant)**

Set up:  
• Cefoxitin disc

CFOX disk result

CFOX = cefoxitin

&cx00 This organism is cloxacillin resistant and is resistant to all beta-lactam agents.  
&2129 Small colony variant (SCV) isolates may be associated with chronic, recurrent or persistent infection. Treatment failure can occur."  
&2192 Small colony variant (SCV) isolates may be associated with chronic, recurrent or persistent infection. Treatment failure can occur. Antibiotic susceptibility testing is not routinely performed due to testing difficulties encountered with these organisms.  
&2130&2338 Susceptibility testing for this organism was performed by a non-reference method and/or required modifications to the standard test conditions. Results are probable but not definite.  
&2833 (small colony variant)

≥ 22 mm (S)  
Or  
Uninterpretable

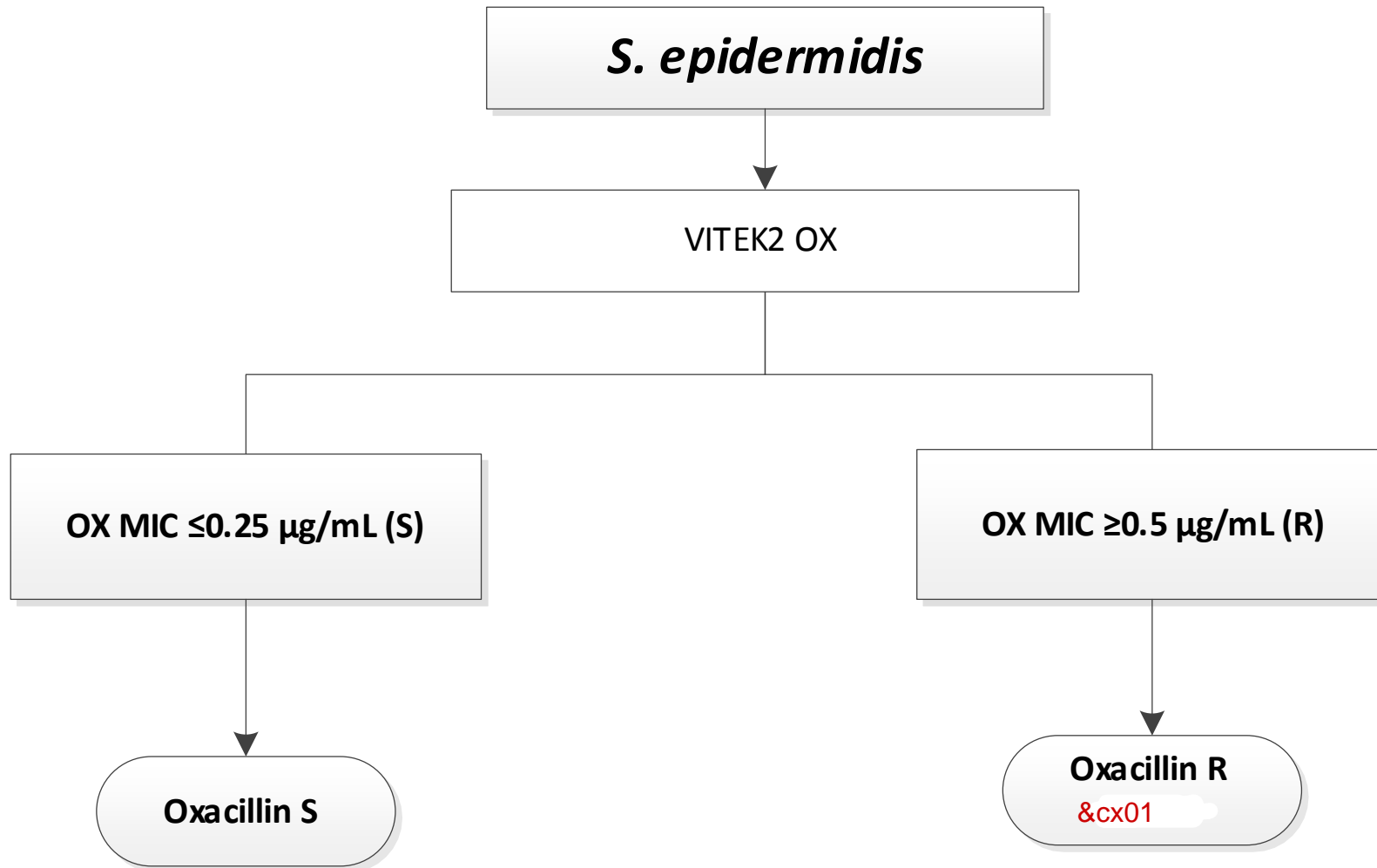
Do not report oxacillin or cefazolin

Report:  
• Organism: S. aureus &2833  
• Comment: &2192

• Send to reference lab for mecA testing

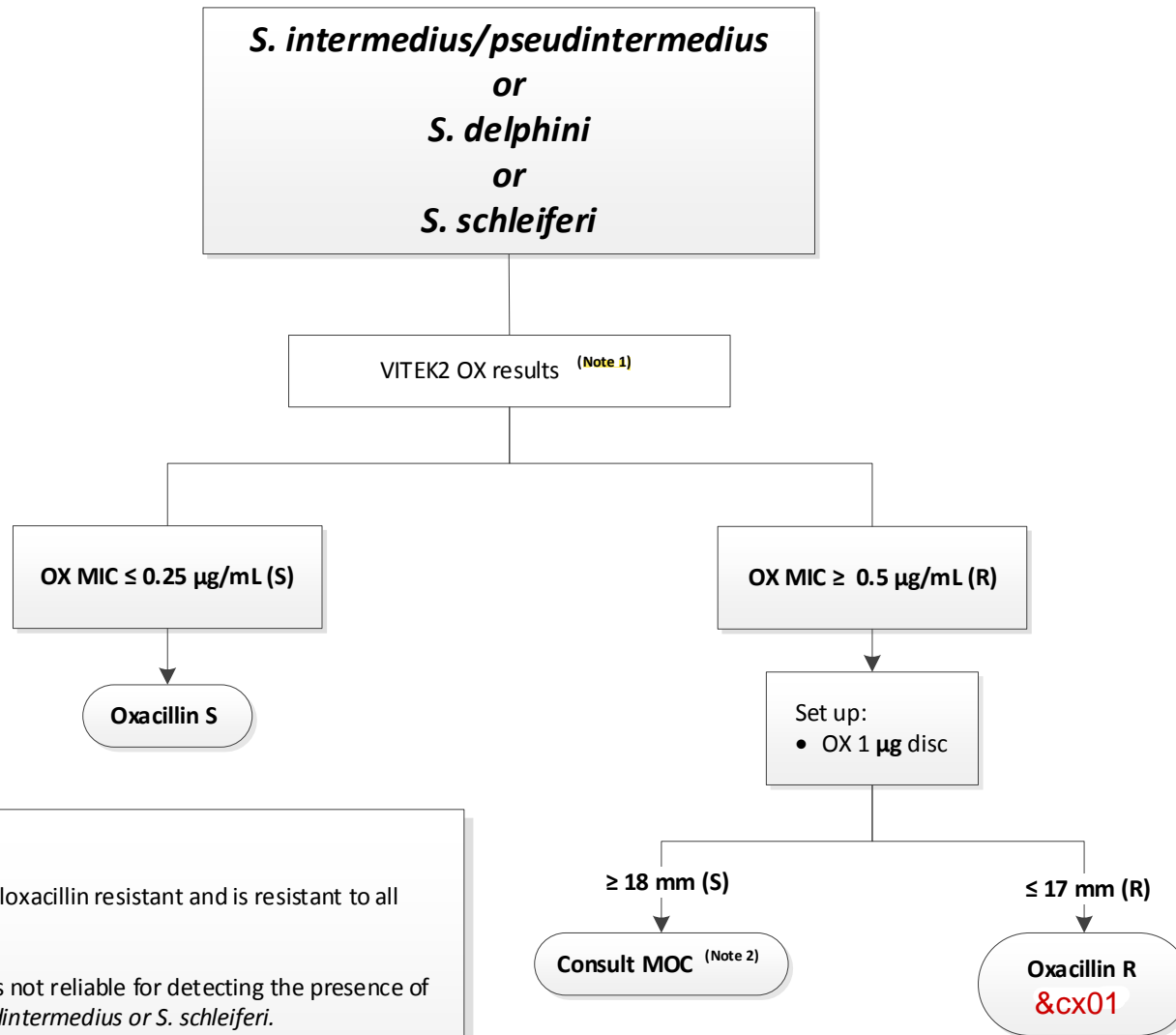
≤ 21 mm (R)

Organism: S. aureus &cx00 &2833  
Oxacillin R  
Cefazolin R  
Add comments:  
&2129 &2130 &2338



**OX** = Oxacillin

**&cx01** This organism is cloxacillin resistant and is resistant to all beta-lactam agents.



**OX** = Oxacillin

**&cx01** This organism is cloxacillin resistant and is resistant to all beta-lactam agents.

**Note 1:** Cefoxitin testing is not reliable for detecting the presence of the *MecA* gene in *S. pseudintermedius* or *S. schleiferi*.

**Note 2:** Discrepancy between VITEK2 oxacillin and oxacillin disc. At the discretion of the Microbiologist, repeat testing or submission to a reference lab for *mecA* testing may be warranted.

***S. lugdunensis***

VITEK2 OX/CFOX results

OX MIC  $\leq 2 \mu\text{g/mL}$  (S)  
CFOX scr well: (-)

Oxacillin S

OX MIC  $\leq 2 \mu\text{g/mL}$  (S)  
CFOX scr well: (+)

Set up:  
• OX Etest  
• CFOX disk

OX MIC  $\geq 4 \mu\text{g/mL}$  (R)  
CFOX scr well: (-)

OX MIC  $\geq 4 \mu\text{g/mL}$  (R)  
CFOX scr well: (+)

Oxacillin R  
&cx00

CFOX disk result

$\geq 22 \text{ mm}$  (S)

Oxacillin Etest

$\leq 2 \mu\text{g/mL}$  (S)  
(Hold for 48 hours)

Oxacillin S

$\geq 4 \mu\text{g/mL}$  (R)

Consult MOC (Note 1)

$\leq 21 \text{ mm}$  (R)

Oxacillin Etest

$\leq 2 \mu\text{g/mL}$  (S)  
(Hold for 48 hours)

Consult MOC (Note 1)

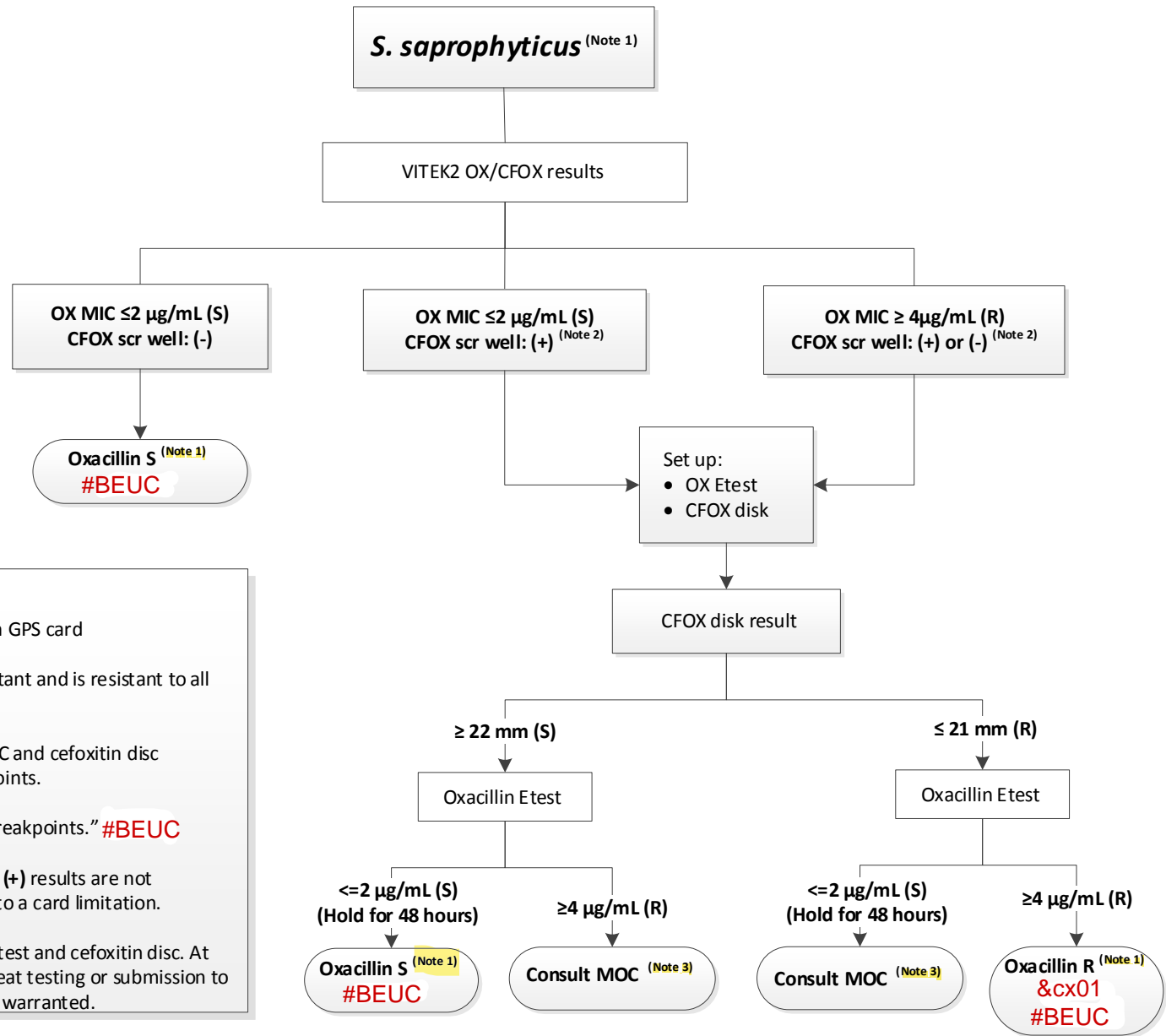
$\geq 4 \mu\text{g/mL}$  (R)

Oxacillin R  
&cx00

CFOX = Cefoxitin  
OX = Oxacillin  
CFOX scr well = Cefoxitin screen well on GPS card

&cx01 This organism is cloxacillin resistant and is resistant to all beta-lactam agents.

Note 1: Discrepancy between oxacillin Etest and cefoxitin disc. At the discretion of the Microbiologist, repeat testing or submission to a reference lab for mecA testing may be warranted.



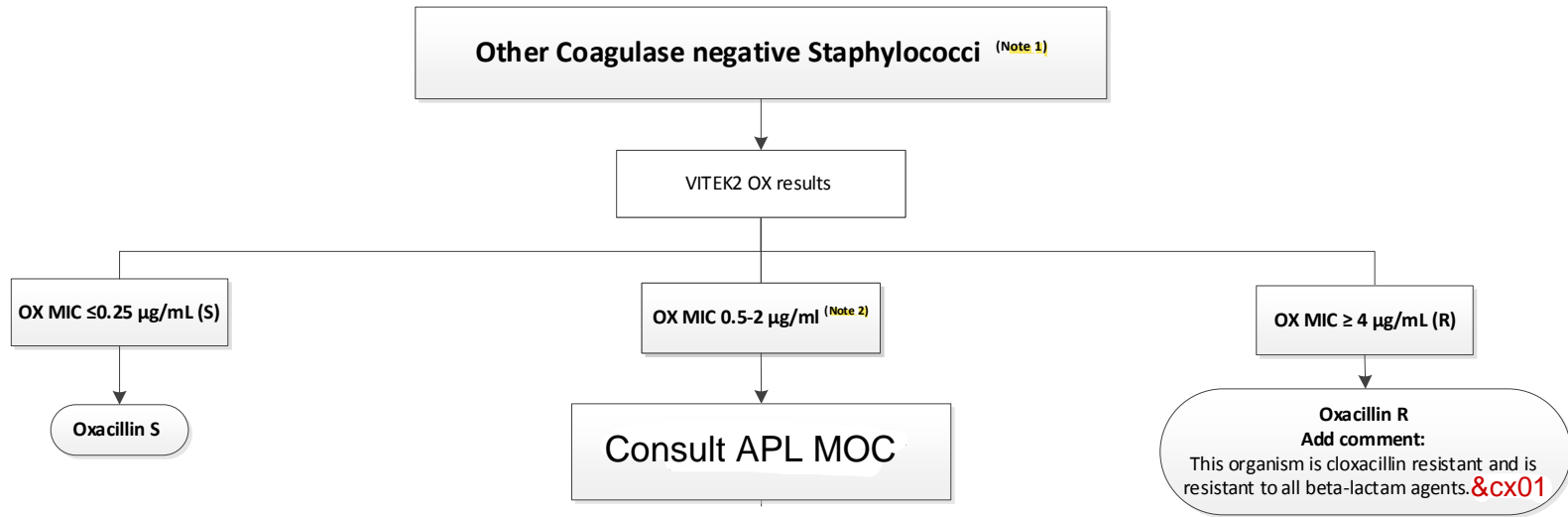
**CFOX** = Cefoxitin  
**OX** = Oxacillin  
**CFOX scr well** = Cefoxitin screen well on GPS card

**&cx00** This organism is cloxacillin resistant and is resistant to all beta-lactam agents.

**Note 1:** For *S. saprophyticus* oxacillin MIC and cefoxitin disc interpretation based on EUCAST breakpoints.  
 Add comment:  
 "Interpretation is based upon EUCAST breakpoints." **#BEUC**

**Note 2:** VITEK2 cefoxitin screen **positive (+)** results are not recommended for *S. saprophyticus* due to a card limitation.

**Note 3:** Discrepancy between oxacillin Etest and cefoxitin disc. At the discretion of the Microbiologist, repeat testing or submission to a reference lab for *mecA* testing may be warranted.



**OX** = Oxacillin

**Note 1:** For use with Coagulase negative Staphylococci **except:** *S. epidermidis*, *S. lugdunensis*, *S. saprophyticus*, *S. intermedius/pseudintermedius* or *S. schleiferi*.

**Note 2:** Oxacillin MIC breakpoints may overcall resistance for some coagulase negative Staphylococcus spp. (other than *S. epidermidis*) because some strains with oxacillin MICs of 0.5-2 µg/mL lack the *mecA* gene.