

6 February 2020

To: Recipients of M100, 30th ed.
From: Jennifer K. Adams, MT(ASCP), MSHA
Vice President, Standards and Quality
Subject: Correction

This notice is intended to inform users of a correction made to CLSI document M100, *Performance Standards for Antimicrobial Susceptibility Testing*, 30th ed. The correction is described below and shown as highlighted and/or stricken text in the table excerpt.

Table 2C. Zone Diameter and MIC Breakpoints for *Staphylococcus* spp.:

In general comment (5), in the Methods for Detection of Methicillin (Oxacillin)-Resistant *Staphylococcus* spp. table, the incubation period for *Staphylococcus epidermidis* with cefoxitin disk diffusion is listed incorrectly as “16-18 h.” The incubation period has been corrected to read “24 h.”

- (5) Most **methicillin** (oxacillin) resistance is mediated by *mecA*, encoding PBP2a (also called PBP2'). Isolates that test positive for *mecA* or PBP2a should be reported as **methicillin** (oxacillin) resistant (see Appendix H).

Detection of **methicillin** (oxacillin) resistance in staphylococci is achieved by using specific methods as listed in Table 2C and further described in Table 3F.

Organism	Methods for Detection of Methicillin (Oxacillin)-Resistant <i>Staphylococcus</i> spp.				
	Cefoxitin MIC	Cefoxitin disk diffusion	Oxacillin MIC	Oxacillin disk diffusion	Oxacillin salt agar
<i>S. aureus</i>	Yes (16-20 h)	Yes (16-18 h)	Yes (24 h)	No	Yes (24 h)
<i>S. lugdunensis</i>	Yes (16-20 h)	Yes (16-18 h)	Yes (24 h)	No	No
<i>S. epidermidis</i>	No	Yes (16-18 24 h)	Yes (24 h)	Yes (16-18 h)	No
<i>S. pseudintermedius</i>	No	No	Yes (24 h)	Yes (16-18 h)	No
<i>S. schleiferi</i>	No	No	Yes (24 h)	Yes (16-18 h)	No
Other <i>Staphylococcus</i> spp. (not listed above)	No	Yes ^a (24 h)	Yes ^a (24 h)	No	No

Abbreviations: h, hour(s); MIC, minimal inhibitory concentration; MRS, methicillin (oxacillin)-resistant staphylococci; PBP2a, penicillin-binding protein 2a.

^a For isolates of “other *Staphylococcus* spp.” from serious infections for which the oxacillin MICs are 0.5-2 µg/mL, testing for *mecA* or PBP2a should be considered (see comment [17]). Cefoxitin disk diffusion is not currently recommended.

Mechanisms of **methicillin** (oxacillin) resistance other than *mecA* are rare and include a novel *mecA* homologue, *mecC*. MICs for strains with *mecC* are typically cefoxitin resistant and oxacillin susceptible; *mecC* resistance cannot be detected by tests directed at *mecA* or PBP2a.

If you require any additional clarification regarding these corrections, please contact CLSI Customer Service (customerservice@clsi.org).

We appreciate your commitment to CLSI and regret any inconvenience.