

Sap Comments (CDC)

From: Doug Ohlendorf [ohlen@umn.edu]
Sent: Thursday, August 05, 2010 12:55 PM
To: Sap Comments (CDC)
Subject: Tiering of select agents

This comment is related to staphylococcal enterotoxins (SEs). Clarification is needed regarding what specifically is being referred to. Lina et al. ⁽¹⁾ has distinguished between SEs and staphylococcal enterotoxin-like toxins (SEIs) on the basis of emetic activity. There is confusion over whether the intent is to acknowledge this difference and not regulate SEIs or to regulate both SEs and SEIs. If it is the latter should they be in the same class?

In my lab we treat both SEs and SEIs identically because they can have similar lethalties. For example, the first SEI discovered was toxic shock syndrome toxin-1 (TSST-1). Its lethality in rabbits is comparable to SEB and SEC. However, we do not report inventories of TSST-1 because the current interpretation is that SEIs are not subject to regulation.

The regulations need a clear statement concerning SEIs.

1. **Lina, G., G. A. Bohach, S. P. Nair, K. Hiramatsu, E. Jouvin-Marche, and R. Mariuzza.** 2004. Standard nomenclature for the superantigens expressed by Staphylococcus. J. Infect. Dis. **189**:2334-6.

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