

Data sheet *Clostridium sordellii* antitoxin

Benten Biotech SRL
Parque Tecnológico- LATU.
Montevideo, Uruguay
CP 11500

1. Reagent: *Clostridium sordellii* antitoxin

2. Strain or resource: Not apply

3. Lot number: ACSo 001/21

4. Fill date: July 2021

5. Expiration date: The expiration date was not evaluated. According to the literature, the toxin is very stable and could be active for several years.

Precautions: This reagent does not represent a risk for laboratory personnel working with the toxin if fundamental laboratory techniques are followed.

6. Intended use: For use as a standard antitoxin for performing neutralization tests of *C. sordellii* toxin in mice.

7. Instruction for use: *C. sordellii* ACSo 001/21 antitoxin contains 6 units of antitoxin per ml. The ACSo 001/21 lyophilized antitoxin vial is reconstituted with 2.0 ml of peptone diluent (1.0% peptone, 0.25% NaCl, pH 7.2).

The toxin neutralization test uses a standard antitoxin dilution containing 1 unit antitoxin per ml (IU/ml). The dilution is prepared by adding 1 ml of ACSo 001/21 in 5 ml of peptone diluent. The antitoxin dilution is stable and stored at -20 °C.

8. Reagent test:

Determination of antitoxin titer - Antitoxin titer was determined by injecting 16-20 g mice intravenously with 0.2 ml volume of diluted antitoxin mixed with 1 dose of L + toxin (the least amount of toxin when mixed with 1 unit of antitoxin, causes death in at least 80% of animals in 72 hours) and 1 dose of Lo of toxin (the highest amount of toxin that, when mixed with 1 unit of antitoxin, does not cause animal death within 72 hours). The ACSo 001/20 antitoxin titer



was confirmed by comparing in parallel with the international antitoxin standard of *C. sordellii*.

Sterility test: For *C. sordellii* antitoxin, the absence of viable bacteria and fungi was analyzed according to the procedures described in 9 CFR (USA).

9. Container size, type, weight or volume: 10 mL vial containing 2 mL of lyophilized antitoxin.

10. Storage conditions: store at -20 ° C.

11. Technical contact Benten Biotech: Quality Control Section, +59899178546.

12. Origin and history of passage: N/A

13. Preparation method: Rabbits without a history of Clostridial vaccination received multiple injections of commercially prepared toxoid and *C. sordellii* toxin over a period of two months. The antitoxin was filtered by 0.2 µm (Sartorius membrane), thimerosal was added as a preservative and it was lyophilized in Christ equipment.

14. Others: Transport on dry ice.

Reagent requests and comments should be sent to the following email address: info@bentenbiotech.com

REVISED: July 2021