

Sterility testing as per the following scope:

Testing of sterility (sterilization efficacy) for the sterilized reusable surgical tool (metallic tools of size approx. 1 cm x 4 cm) through a sterilization device developed by CSIR-Central Scientific Instruments Organisation Chandigarh. The sterilization device and the surgical tool to be tested, will be provided by CSIR-CSIO.

The **scope of work** is as follows,

1. Formulation of protocol for sterility testing (sterilization efficacy studies) for surgical tool as per AAMI (Association for the Advancement of Medical Instrumentation) / ISO or other relevant standards.
2. Sterility testing of the provided surgical tool contaminated with pathogen cultures of (a) each pathogen of ESKAPE, (b) B. subtilis, (c) Candida albicans, (d) combination of the pathogens - ESKAPE and Candida albicans.
3. Run the sterilization cycle (about 15 minutes) using the device & details provided by CSIR-CSIO to sterile the given surgical tool. Then test the sterility of the tool (log reductions for the mentioned pathogens) as per the sterility testing protocol in Sr. No.1.
4. Formulation of detailed test report/certification document for the conducted tests.

Other terms:

- The vendor should possess relevant certifications/accreditation to perform such sterility tests and these certifications/accreditation are required to be mentioned in the offer/quotation.
- Non Disclosure Agreement needs to be signed before executing the work.