

The Life Sciences Technical Service Group of STERIS Corporation is composed of technical professionals dedicated to helping manufacturing facilities in regulated industries to keep their cleaning and microbial control programs in regulatory compliance with increased productivity. Our technical service staff can supplement the support you receive from your local sales representative by providing additional information and problem solving assistance. The Life Sciences Technical Service Group supports the following product lines: Process and Research Cleaners, Critical Environments and Laboratory Animal Research.

Services We Provide

PACE – PACE (Process And Cleaner Evaluation) is a laboratory-based service in which we simulate your cleaning process in order to recommend a cleaning agent, cleaning agent concentration and cleaning process conditions. This will enable you to move to a pilot or prequalification trial with a reasonable assurance of success. PACE evaluations are usually initiated through your local sales representative.

Technical Literature – The technical service function produces a variety of literature to assist you in selecting an optimal contamination control process and in validating that process. The following document types are available:

- Technical Tips:** These are articles of general applicability covering relevant issues relating to cleaning and microbial control. They generally address approaches to a given issue or the rationale for certain practices.
- Laboratory Reports:** These are specific studies on STERIS products, documenting performance in testing protocols relevant to safety, efficacy, validation, material compatibility and the like.
- Analytical Methods:** These are methods applicable to STERIS products for measuring residues of cleaning and microbial control agents for validation or monitoring purposes. These include our validated TOC (Total Organic Carbon) and HPLC (High Performance Liquid Chromatography) methods.
- Case Histories:** These are examples of how contamination prevention issues were addressed in specific manufacturing situations.
- Technical Data Sheets:** These are STERIS product descriptions with recommended uses.

Technical Consultation – Consultation with our experts can be done on the phone, via video conference or at your facility. Phone consultation is helpful in giving you additional information that is not available in our printed literature. Of course, if formula disclosure is required, it is done under a secrecy agreement. We can also advise you on more complex cleaning, microbial control and validation issues. If your concerns involve several technical specialties, a video conference can be arranged to bring several experts to focus on the contamination prevention issues you face. In some cases, you can best be helped by having a technical service specialist visit your facility to conduct an "audit", to assist in a start up or to help you troubleshoot a complex problem. In all cases, our goal is to help you explore the various options available to meet your contamination prevention objectives.

Seminars – The Life Sciences Technical Services Group designs and delivers noncommercial training seminars on a variety of contamination prevention topics such as: cleaning technologies, microbial control technologies, cleaning procedures, analytical methods and validation issues. These events include full-day STERIS-sponsored seminars which are open to our Customers as well as seminars tailored for specific needs at your facility.

Professional Staff

The following professionals are dedicated to providing you with unsurpassed technical services to support your cleaning and microbial control objectives. We are committed to helping you. We can be reached by phone at the numbers listed below or via the Internet.

- Amanda Deal** Amanda is a Technical Service Associate. She currently conducts laboratory evaluations to recommend cleaning procedures for Customers (PACE). Amanda's background includes more than seven years laboratory experience in the pharmaceutical and biotech industries. Amanda has a B.S. in Biology.
Phone: (314) 290-4739
Internet: amanda_deal@steris.com
- Dijana Hadziselimovic** Dijana is a Technical Service Associate. She currently conducts laboratory evaluations to recommend cleaning procedures for Customers (PACE). Dijana has a B.A. in Chemistry.
Phone: (314) 290-4736
Internet: dijana_hadziselimovic@steris.com
- Charles Johnston** Charles is a Technical Service Associate. He currently conducts laboratory evaluations to recommend cleaning procedures for Customers (PACE). Charles has a B.A. in Physics.
Phone: (314) 290-4741
Internet: charles_johnston@steris.com
- Linda Peterson** Linda is the Technical Services Administrator and is responsible for the management of confidential disclosure agreements and technical literature. She coordinates seminars, training programs and provides support for consumable products and markets. Linda has over 20 years of professional office experience.
Phone: (314) 290-4743
Internet: linda_peterson@steris.com
- Brook Meadows** Brook is the Technical Services Associate Scientist who is responsible for development of analytical methods for the PRC and CE products and for additional data development. Brook has a B.S. in Chemistry.
Phone: (314) 290-4772
Internet: brook_meadows@steris.com
- Jim Polarine** Jim is a Technical Service Specialist. He specializes in cleaning, disinfection, microbial control, excursion investigations and cleanroom issues. Jim currently serves on the PDA task force on Cleaning and Disinfection for Cleanrooms. He has a B.S. and a M.A. in Biology.
Phone: (314) 290-4793
Internet: jim_polarine@steris.com
- Elaine Sartain** Elaine is the Sr. Director Global Marketing Formulated Chemistries for the Pharmaceutical and Research Consumable Group. In this position she directs both the product marketing and technical services functions. Elaine has extensive experience in cleaning and microbial control issues in cleanrooms. She has a B.S. in Chemistry.
Phone: (314) 290-4792
Internet: elaine_sartain@steris.com
- Paul Lopolito** Paul is a Technical Service Specialist. He specializes in process and critical environment cleaning. Paul's background includes product development, manufacturing and validation within cGMP/ISO regulated facilities, particularly in the biopharm and biomedical device industry. He has a B.A. in Biological Sciences.
Phone: (314) 290-4795
Internet: paul_lopolito@steris.com
- Elizabeth Rivera** Elizabeth is a Technical Service Specialist. She specializes in cleaning chemistries, processes and validation. Elizabeth's background includes both manufacturing and technology transfer within GMP regulated facilities, particularly in the bulk pharmaceutical industry. She has a B.S. and M.S. in Chemical Engineering.
Phone: (314) 290-4783
Internet: elizabeth_rivera@steris.com

George Verghese

George is the Director Technical Service and manages the Technical Service Group. George has extensive experience in cleaning process scale-up, application engineering and cleaning validation. He has a B.S. and a M.S. in Chemical Engineering.

Phone: (314) 290-4787

Internet: george_verghese@steris.com

Gary Westhoff

Gary is a Technical Service Specialist. He specializes in cleaning chemistries, processes and validation. Gary's background includes in excess of 25 years industrial experience in veterinary biologicals and pharmaceuticals, radiopharmaceuticals, solid dosage and biopharmaceutical in the areas of manufacturing, quality and validation. He has a B.S. in Biology and a M.B.A.

Phone: (314) 290-4737

Internet: gary_westhoff@steris.com

Steven Robbins

Steve is a Customer Applications Specialist. His primary focus is in the area of storage and delivery systems for STERIS formulated chemistries to meet specific Customer needs. This includes chemical handling, delivery and control systems. Steve's prior experience includes working with data acquisition and control systems and providing service for washing equipment. Steve has an A.A.S. in Electrical Engineering.

Phone: (817) 965-0754

Internet: steve_robbins@steris.com

Seth R. Hill

Seth is a Customer Applications Specialist. He supports our Customers in the area of storage and delivery systems for STERIS formulated chemistries. This includes designing and installing delivery systems and matching application devices to meet Customer's specific needs. Seth has over 10 years experience in application, storage and delivery of formulated chemistries.

Phone: (443) 277-2199

Internet: seth_hill@steris.com

For further information, please contact:

STERIS[®] STERIS Corporation
5960 Heisley Road
Mentor, OH 44060-1834 • USA
440-354-2600 • 800-444-9009
www.steris.com

