

CONSUMABLES CATALOG

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- > Sterility Assurance Products
- > Skin Care Products
- > Vaporized Hydrogen Peroxide Consumables

To place an order, contact STERIS Life Sciences Customer Services at 800-444-9009.



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STERIS®

Technological Innovations with Proven Worldwide Applications

STERIS is a global provider of contamination control systems, products, and services for the pharmaceutical, biotech, medical device, laboratory research, and industrial markets.

Our solutions cover all aspects of product discovery and development—across research lab, comparative medicine, production/manufacturing processing, and cleanrooms.

At STERIS, we help customers achieve business-critical goals—such as streamlining operations through automation, enhancing cost-efficiencies through centralization, and improving time-to-market through faster process validation—with our comprehensive family of leading technologies.

We offer an outstanding portfolio of products tailored to meet the needs of our customers. Our products are manufactured at the highest quality level to deliver superior performance for your processes. Through our R&D and innovation efforts we are dedicated to offering products that provide value to meet your current and future needs.

STERIS cleaning chemistries, liquid sterilants, and disinfectants provide the necessary solutions for the contamination challenges associated with regulated pharmaceutical environments—including research labs, aseptic processing, and bulk and biopharmaceutical manufacturing operations.

Our mild, pH-balanced anti-microbial and routine skin care products effectively reduce microorganisms found on the skin without causing irritation.

STERIS also provides a comprehensive range of sterility assurance products, including chemical indicators and Spordex® Biological Indicators for monitoring ethylene oxide, dry heat, and steam sterilization processes.

In addition, we provide on-site training, educational seminars, and technical support to keep employees up-to-date on regulatory compliance issues, product safety, new technologies, and protocols. STERIS support is available whenever and wherever you need it worldwide.



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STERIS

To place an order, contact STERIS Life Sciences Customer Services at 800-444-9009.

CRITICAL ENVIRONMENTS

Sterilants

Phenolic Disinfectants

Quaternary Disinfectants

Alcohols

The STERIS Critical Environment product line includes a complete product portfolio of sterilants, disinfectants and alcohols specifically formulated and packaged for use in controlled environments. All of these products are complemented with technical support documentation for validation and qualification efforts.

In addition, STERIS offers the kind of state-of-the-art support and expertise that only comes from years of experience developing and refining contamination control technologies. The STERIS Technical Support Group performs application assessments to design the most effective cleaning program for your facility. We have the cleaning programs to help you get your facility into compliance and the support and expertise to keep you in compliance.



Sterilants

Spor-Klenz® Concentrate Cold Sterilant

A fast acting, liquid cold sterilant/disinfectant, filtered to 0.22 micron and specifically formulated for use in the sterilization and disinfection of hard surfaces. This product is a stabilized blend of peracetic acid, hydrogen peroxide, and acetic acid that provides fast, effective microbial control, including spores. One quart of concentrate makes 25 gallons of solution at a concentration of 1:99. Each lot is documented by Certificates of Analysis and Filtration. Use-dilution is 1:99.

1 qt. 4 per cs. 6520-26



Spor-Klenz® Ready-To-Use Cold Sterilant

A fast acting, liquid cold sterilant/disinfectant, filtered to 0.22 micron and specifically formulated for use in the sterilization and disinfection of hard surfaces. This product is a stabilized blend of peracetic acid, hydrogen peroxide, and acetic acid that provides fast, effective microbial control, including spores. It offers a low toxicity profile and requires no mixing or activation. Each lot is documented by Certificates of Analysis and Filtration.

1 qt. (800 mL fill) 4 per cs. 6525-M2
 1 gal. (3200 mL fill) 4 per cs. 6525-01
 55 gal. drum each 6525-P4



Phenolic Disinfectants

One Solution LpH st™ System

A one-step, non-alkaline phenolic cleaner/disinfectant specifically formulated for use on hard, non-porous surfaces. The System uses Water For Injection (WFI) that is to be combined with a unit dose package of Process LpHst® Sterile One-Step Cleaner Disinfectant to make one gallon of use dilution. The One Solution LpH st System is gamma irradiated to ensure sterility and double bagged for ease of introduction into aseptic areas. With the included unit dose package, the appropriate use dilution is achieved every time. The System can be used as a direct replacement for Process LpH st Sterile Phenolic One-Step Cleaner Disinfectant and is proven effective in the presence of heavy soil (5% bovine serum). It is buffered to maintain a use dilution pH of 2.6 - 3.0 and is ideal for use in a disinfectant rotation program with the One Solution Vesphene™ II st System. Each lot is documented by Certificates of Analysis, Filtration, and Sterility.

1 gal. bottle + 1/2 oz. product 4 per cs. 1S01-HP



Process LpH st® Sterile One-Step Cleaner Disinfectant

A one-step, non-alkaline phenolic cleaner/disinfectant specifically formulated for use on hard, non-porous surfaces. This product is proven effective in the presence of heavy soil (5% bovine serum) and in hard water. Process LpH st disinfectant is gamma irradiated to ensure sterility and double bagged for ease of introduction into aseptic areas. It is buffered to maintain a use dilution pH of 2.6 - 3.0 and is ideal for use in a disinfectant rotation program with Process Vesphene® II st disinfectant. In the unit dose package size, it provides the appropriate amount of solution for the right dilution every time. Each lot is documented by Certificates of Analysis, Irradiation, and Sterility. Use-dilution is 1:256.

1 gal. 4 per cs. 6841-08
 1 oz.* 144 per cs. 6841-28
 *(Each 1 oz. pouch makes 2 gallons of solution)



Phenolic Disinfectants

LpH[®] se One-Step Germicidal Detergent

A one-step, non-alkaline phenolic cleaner/disinfectant specifically formulated for use on hard, non-porous surfaces. This product is proven effective in the presence of heavy soil (5% bovine serum) and in hard water. It is buffered to maintain a use dilution pH of 2.6 - 3.0 and is ideal for use in a disinfectant rotation program with Vesphene[®] II se germicidal detergent. Use-dilution is 1:256.

1 gal.	4 per cs.	6466-08
55 gal. drum	each	6466-01



One Solution Vesphene IIst[™] System

A one-step, alkaline phenolic cleaner/disinfectant specifically formulated for use on hard, non-porous surfaces. The System uses Water For Injection (WFI) that is to be combined with a unit dose package of Process Vesphene IIst[®] Sterile One-Step Cleaner Disinfectant to make one-gallon of use dilution. The One Solution Vesphene IIst System is gamma irradiated to ensure sterility and double bagged for ease of introduction into aseptic areas. With the included unit dose package, the appropriate dilution is achieved every time. The System can be used as a direct replacement for Process Vesphene IIst Sterile Cleaner Disinfectant and is proven effective in the presence of heavy soil (5% bovine serum). It is buffered to maintain a use dilution pH of 10.4 – 10.6 and is ideal for use in a disinfectant rotation program with the One Solution LpH st Sytem. Each lot is documented by Certificates of Analysis, Irradiation, and Sterility.

1 gal. bottle + 1 oz. product	4 per cs.	1S02-CX
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Process Vesphene[®] II st Sterile One-Step Cleaner Disinfectant

A one-step, alkaline phenolic cleaner/disinfectant specifically formulated for use on hard, non-porous surfaces. This product is proven effective in the presence of heavy soil (5% bovine serum) and in hard water. Process Vesphene II st disinfectant is gamma irradiated to ensure sterility and double bagged for ease of introduction into aseptic areas. It is buffered to maintain a use dilution pH of 10.4 - 10.6 and is ideal for use in a disinfectant rotation program with Process LpH st[®] disinfectant. In the unit dose package size, it provides the appropriate amount of solution for the right dilution every time. Each lot is documented by Certificates of Analysis, Irradiation, and Sterility. Use-dilution is 1:128.

1 gal.	4 per cs.	6861-08
2 oz.*	144 per cs.	6861-29

*(Each 2 oz. pouch makes 2 gallons of solution)



Vesphene[®] II se One-Step Germicidal Detergent

A one-step, alkaline phenolic cleaner/disinfectant specifically formulated for use on hard, non-porous surfaces. This product is proven effective in the presence of heavy soil (5% bovine serum) and in hard water. It is formulated to maintain a use dilution pH of 10.4 - 10.6 and is ideal for use in a disinfectant rotation program with LpH se[®] germicidal detergent. Use-dilution is 1:128.

1 gal.	4 per cs.	6461-08
55 gal. drum	each	6461-01



Quaternary Disinfectants

Coverage Plus NPD® One-Step Cleaner Disinfectant

A phosphate-free, one-step cleaner/disinfectant formulated for use on hard non-porous surfaces. This product consists of four quaternary ammonium compounds formulated with a compatible detergent system. It is proven effective in the presence of heavy soil (5% bovine serum) and hard water. Coverage Plus NPD disinfectant contains no perfumes or dyes that could interfere with critical research studies or manufacturing processes. Use-dilution is 1:256.

1 gal.	4 per cs.	6387-08
55 gal. drum	each	6387-01



Process NPD® st Sterile One-Step Germicidal Detergent

A phosphate-free, one-step cleaner/disinfectant formulated for use on hard non-porous surfaces. This product has a broad spectrum of germicidal and virucidal claims, and has been double bagged and gamma irradiated for sterility. Process NPD st germicidal detergent contains no perfumes or dyes that could interfere with critical research studies or manufacturing processes. Each lot is documented by Certificates of Analysis, Irradiation, and Sterility. Use-dilution is 1:256.

1 gal.	4 per cs.	1605-08
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Process NPD® One-Step Germicidal Detergent

A phosphate-free, one-step cleaner/disinfectant formulated for use on hard non-porous surfaces. This product consists of four quaternary ammonium compounds formulated with a compatible detergent system. It is proven effective in the presence of heavy soil (5% bovine serum) and hard water. Process NPD germicidal detergent contains no perfumes or dyes that could interfere with critical research studies or manufacturing processes. Use-dilution is 1:256.

1 gal.	4 per cs.	6390-08
30 gal. drum	each	6390-02
55 gal. drum	each	6390-01



T.B.Q.® Hard Surface Disinfectant

A phosphate-free disinfectant specifically formulated for use on hard non-porous surfaces. This product consists of an advanced quaternary ammonium compound that kills both gram-positive and gram-negative bacteria and acid fast bacilli. It is proven effective in the presence of hard water. T.B.Q. disinfectant is effective against tuberculosis when diluted in distilled water. Use-dilution is 1:128.

1 gal.	4 per cs.	6345-08
5 gal. pail	each	6345-05
55 gal. drum	each	6345-01



Alcohols

Septihol® Sterile Alcohol Solution

A ready-to-use, 70% USP grade, sterile isopropyl alcohol solution that has been filtered to 0.22 micron and gamma irradiated for sterility. The bottle is ergonomically designed with the adjustable trigger sprayer attached. The double bag material contains an easy tear feature on both bags that allows easy access to the product while providing a sterile barrier. This product is ideal for the removal of cleanroom process residues and for routine glove decontamination. Each lot is documented by Certificates of Analysis, Filtration, Irradiation, and Sterility.

16 oz.	12 per cs.	6248-Y4
1 gal.	4 per cs.	6248-08



Septihol® Ready-To-Use Alcohol Solution

A ready-to-use, 70% USP grade, isopropyl alcohol solution that has been filtered to 0.22 micron. It is ideal for the removal of process residues. This product is packaged in a 22 oz. bottle with an adjustable trigger sprayer attached. Each lot is documented by Certificates of Analysis and Filtration.

22 oz.	12 per cs.	6254-77
1 gal.	4 per cs.	6254-08



PROCESS AND RESEARCH CLEANERS

Process Cleaners

Manual Cleaners

Detergent Additives

Glassware Washing Detergents

Process Sanitizers

Technical Support & Services

The STERIS process and research cleaner product line includes a complete portfolio of detergents formulated for a wide variety of soils typically found in the pharmaceutical, biotechnology, personal care products, medical device, and food and beverage processing facilities. Extensive support packages are available to meet your validation objectives.



Process Cleaners

CIP 100® Alkaline Process and Research Cleaner

A high performance phosphate-free liquid alkaline detergent system for use in manual, immersion, and recirculating spray equipment including Clean-In-Place (CIP) systems. It is effective in hard water and efficiently removes a wide variety of soils typically found in pharmaceutical, biotechnology, cosmetic, nutraceutical, and food and beverage processes. This product is designed to be extremely free-rinsing.

1 gal.	4 per cs.	1D10-08
1 gal.	4 per cs. Bag-in-Box	1D10-BX
5 gal. pail	each	1D10-05
30 gal. drum	each	1D10-02
55 gal. drum	each	1D10-01
300 gal. tote	each	1D10-P7K
300 gal. recyclable tote	each	1D10-D3

CP 310 Formulated Alkaline Process and Research Cleaner

A high performance detergent serving the pharmaceutical, biotechnology, cosmetic, nutraceutical, and other industries requiring an effective validatable cleaner. It is formulated with low mercury grade potassium hydroxide, surfactants, chelating agents, and other essential cleaning ingredients. This wide array of components allows for a multitude of cleaning mechanisms. This product is low foaming at all temperatures and can be used in both CIP and COP applications.

5 gal. pail	each	1K74-05
30 gal. drum	each	1K74-02
55 gal. drum	each	1K74-01
300 gal. tote	each	1K74-P7K
300 gal. recyclable tote	each	1K74-D3

CIP 130™ Process Cleaning Detergent

This alkaline-based surfactant cleaner is specifically formulated for use in the pharmaceutical, biotechnology, cosmetic, nutraceutical, and other industries requiring an effective validatable cleaner. The concentrated blend of surfactants are effective on petrolatum-based, protein enriched, and other difficult-to-remove soils. This product cleans without the need for high levels of alkalinity and is mild enough for use in manual cleaning applications. Its unique mix of alkalinity and surfactancy decrease the need for a multi-chemical cleaning approach.

5 gal. pail	each	1C13-05
55 gal. drum	each	1C13-01
300 gal. recyclable tote	each	1C13-D3

ProKlenz™ 1000 HPLC Analyzable Surfactant

A liquid alkaline detergent with an HPLC analyzable surfactant that can be used in manual, immersion, and recirculation spray equipment. It is effective in hard water and efficiently removes a variety of soils typically found in pharmaceutical, biotechnology, nutraceutical, and cosmetic processes. This product is extremely free-rinsing.

5 gal. pail	each	1413-05
55 gal. drum	each	1413-01
300 gal. recyclable tote	each	1413-D3

ProKlenz 1000 detergent
55 gallon drum



ProKlenz 1000 detergent
5 gallon pail

CIP 150® Alkaline Process and Research Cleaner

An excellent alkaline detergent system with the protein oxidizing properties of chlorine. It utilizes improved chemistries that significantly extend the stability of active chlorine. This product is typically used in manual, immersion, and recirculating spray systems including Clean-In-Place (CIP) systems in biotechnology, pharmaceutical, nutraceutical, and food and beverage facilities.

5 gal. pail	each	1D15-05
55 gal. drum	each	1D15-01
300 gal. recyclable tote	each	1D15-D3

Process Cleaners

CIP Neutralizer Alkaline Based Neutralizer

CIP Neutralizer Alkaline Based Neutralizer is a liquid blend of sodium hydroxide and potassium hydroxide suitable for a variety of applications where raising the pH or increasing the alkalinity of a solution is appropriate. Formulated with a low-mercury content, and designed to meet regulatory and environmental acceptance criteria, this product offers the ideal alternative to commodities. It can be used to neutralize acidic solutions, boost the cleaning process, or as a stand alone cleaner for lipids and other fatty type soils.

5 gal. pail	each	1D07-05
30 gal. drum	each	1D07-02
55 gal. drum	each	1D07-01
300 gal. recyclable tote	each	1D07-D3

CIP 300® Neutral pH Process and Research Cleaner

A phosphate-free neutral pH liquid cleaner and detergent additive. Its unique blend of surfactants allows it to be used alone or with existing cleaning products to boost cleaning performance. It does not contain perfumes or dyes. This product is low-foaming and may be used in manual, immersion, and high energy recirculation spray systems including Clean-In-Place systems.

5 gal. pail	each	1D30-05
55 gal. drum	each	1D30-01

CIP 200® Acid-Based Process and Research Cleaner

A high performance liquid phosphoric acid cleaner for use in manual, recirculating spray, and immersion cleaning systems, including Clean-In-Place systems. The blended acid and surfactant system rapidly and efficiently removes a wide variety of scales, particulate, and inorganic soils commonly found in pharmaceutical, biotechnology, cosmetic, nutraceutical, and food and beverage processes.

1 gal.	4 per cs.	1D20-08
1 gal.	4 per cs. Bag-in-Box	1D20-BX
5 gal. pail	each	1D20-05
30 gal. drum	each	1D20-02
55 gal. drum	each	1D20-01
300 gal. tote	each	1D20-P7K
300 gal. recyclable tote	each	1D20-D3

CP-302 Process and Research Cleaner

An emulsifiable solvent system that forms a stable emulsion in water for use in process cleaning. This product can also be used for general maintenance cleaning. It has a wide range of cleaning applications and is very safe to use. CP-302 cleaner is designed to remove especially tenacious organic residues from glass and metal substrates and performs heavy duty cleaning without the use of petrochemical solvents, chlorinated solvents, and harsh alkalies.

55 gal. drum	each	1K57-01
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CIP 220® Acid-Based Process and Research Cleaner

A liquid hydroxyacetic acid-based cleaner that contains a proprietary blend of wetting and penetrating agents for the safe and effective removal of a wide range of process residues including inorganic salts. This phosphate-free product is typically used in manual, immersion, and recirculating spray systems including Clean-in-Place systems.

1 gal.	4 per cs.	1D22-08
5 gal.	pail	1D22-05
30 gal. drum	each	1D22-02
55 gal. drum	each	1D22-01
300 gal. tote	each	1D22-P7K
300 gal. recyclable tote	each	1D22-D3



Manual Cleaners

Foam 140® Alkaline Process and Research Cleaner

A heavy duty, concentrated liquid alkaline cleaner with excellent soil emulsifying and dispersing properties. When used with pressurized foaming spray equipment, this product develops foaming properties to increase cleaning contact time. Foam 140 cleaner is particularly effective against fats, oils, and organic soils typically found in pharmaceutical, cosmetic, neutraceutical, food and beverage processing, and manufacturing support laboratories, including animal research facilities.

5 gal. pail	each	1D14-05
30 gal. drum	each	1D14-02

Foam 140 alkaline cleaner
30 gallon drum

Foam 140 alkaline cleaner
5 gallon pail



Foam 240® Acid-Based Process and Research Cleaner

A high performance, concentrated liquid acid cleaner with excellent descaling and dispersing properties. When used with suitable foaming spray equipment, this product develops foaming properties to increase cleaning contact time. Foam 240 cleaner is particularly effective in pharmaceutical, cosmetic, neutraceutical, food and beverage processing, manufacturing pilot laboratories and animal research facilities.

5 gal. pail	each	1D24-05
30 gal. drum	each	1D24-02

Foam 240 acid cleaner
30 gallon drum

Foam 240 acid cleaner
5 gallon pail



DA-7645® Process and Research Cleaner

A liquid detergent concentrate targeted for both general purpose cleaning and as a detergent additive to boost the cleaning performance of alkaline detergents. It does not contain perfumes or dyes. Its high foam potential restricts use in high energy recirculating spray systems.

5 gal. pail	each	1165-05
55 gal. drum	each	1165-01
300 gal. tote	each	1165-P7K
300 gal recyclable tote	each	1165-D3

Manual Cleaners

ProKlenz™ Booster High Performance Detergent Additive

This detergent additive is used for boosting the cleaning of both alkaline and acidic cleaners and for manual cleaning applications. Its surfactancy and oxidizing chemistry allow for a multitude of cleaning mechanisms. At temperatures above 50°C, ProKlenz Booster additive is low foaming and can be used in high-energy spray applications. This product serves the pharmaceutical, biotechnology, personal care, nutraceutical and other industries requiring effective, validatable cleaning. An extensive support package is available to meet your validation objectives.

5 gal. pail	each	1609-05
55 gal. drum	each	1609-01

CP-302 Process and Research Cleaner

An emulsifiable solvent system that forms a stable emulsion in water for use in process cleaning. This product can also be used for general maintenance cleaning. It has a wide range of cleaning applications and is very safe to use. CP-302 cleaner is designed to remove especially tenacious organic residues from glass and metal substrates and performs heavy duty cleaning without the use of petrochemical solvents, chlorinated solvents, and harsh alkalies.

55 gal. drum	each	1K57-01
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CIP 300® Neutral pH Process and Research Cleaner

A phosphate-free neutral pH liquid cleaner and detergent additive. It's unique blend of surfactants allows it to be used alone or with existing cleaning products to boost cleaning performance. It does not contain perfumes or dyes. This product is low-foaming and may be used in manual, immersion, and high energy recirculation spray systems including Clean-In-Place systems.

5 gal. pail	each	1D30-05
55 gal. drum	each	1D30-01

GP Cleaner® General Cleaning Detergent

A concentrated general purpose liquid cleaner, non-flammable and non-toxic, that has amazing dirt releasing power for floors, walls, and equipment. It contains corrosion and rust inhibitors.

1 gal.	4 per cs.	1106-08
55 gal. drum	each	1106-01

CIP Additive® Process and Research Cleaner

A detergent additive for use in boosting the cleaning ability of alkaline or acidic cleaners. It can be used to supplement surfactancy and to enhance cleaning at temperatures ranging from ambient to boiling. This product also functions as an anti-foaming agent and can be used in high energy applications such as recirculating spray or eductor return systems. USDA listed under Category A1.

5 gal. pail	each	1D03-05
55 gal. drum	each	1D03-01
300 gal. recyclable tote	each	1D03-D3

CIP Additive detergent enhancer
55 gallon drum

CIP Additive detergent enhancer
5 gallon pail



Detergent Additives

ProKlenz™ Booster High Performance Detergent Additive

This detergent additive is used for boosting the cleaning of both alkaline and acidic cleaners and for manual cleaning applications. Its surfactancy and oxidizing chemistry allow for a multitude of cleaning mechanisms. At temperatures above 50°C, ProKlenz Booster additive is low foaming and can be used in high-energy spray applications. This product serves the pharmaceutical, biotechnology, personal care, nutraceutical and other industries requiring effective, validatable cleaning. An extensive support package is available to meet your validation objectives.

5 gal. pail	each	1609-05
55 gal. drum	each	1609-01



ProKlenz Booster High Performance Detergent Additive 55 gallon drum

ProKlenz Booster High Performance Detergent Additive 5 gallon pail

CIP Additive® Process and Research Cleaner

A detergent additive for use in boosting the cleaning ability of alkaline or acidic cleaners. It can be used to supplement surfactancy and enhance cleaning at temperatures ranging from ambient to boiling. This product also functions as an anti-foaming agent and can be used in high energy applications such as recirculating spray or eductor return systems.

5 gal. pail	each	1D03-05
55 gal. drum	each	1D03-01
300 gal. recyclable tote	each	1D03-D3

DA-7645® Process and Research Cleaner

A liquid detergent concentrate targeted for both general purpose cleaning and as a detergent additive to boost the cleaning performance of alkaline detergents. It does not contain perfumes or dyes. Its high foam potential restricts use in high energy recirculating spray systems.

5 gal. pail	each	1165-05
55 gal. drum	each	1165-01
300 gal. tote	each	1165-P7K
300 gal recyclable tote	each	1165-D3



Glassware Washing Detergents

CIP 100® Alkaline Process and Research Cleaner

A high performance phosphate-free liquid alkaline detergent system for use in manual, immersion, and recirculating spray equipment including Clean-In-Place systems. It is effective in hard water and efficiently removes a wide variety of soils typically found in pharmaceutical, biotechnology, cosmetic, nutraceutical, and food and beverage processes. This product is designed to be extremely free-rinsing.

1 gal.	4 per cs.	1D10-08
1 gal.	4 per cs. Bag-in-Box	1D10-BX
5 gal. pail	each	1D10-05
30 gal. drum	each	1D10-02
55 gal. drum	each	1D10-01
300 gal. tote	each	1D10-P7K
300 gal. recyclable tote	each	1D10-D3



CIP 100 alkaline cleaner
300 gallon tote

CIP 100 alkaline cleaner
55 gallon drum

CIP 100 alkaline cleaner
5 gallon pail

CIP 100 alkaline cleaner
1 gallon bottle

CIP 100 alkaline cleaner
30 gallon drum

CIP 150® Alkaline Process and Research Cleaner

An excellent alkaline detergent system with the protein oxidizing properties of chlorine. It utilizes improved chemistries that significantly extend the stability of active chlorine. This product is typically used in manual, immersion, and recirculating spray systems including Clean-In-Place systems in biotechnology, pharmaceutical, nutraceutical, and food and beverage facilities.

5 gal. pail	each	1D15-05
55 gal. drum	each	1D15-01
300 gal. recyclable tote	each	1D15-D3

CIP 220® Acid-Based Process and Research Cleaner

A liquid hydroxyacetic acid-based cleaner that contains a proprietary blend of wetting and penetrating agents for the safe and effective removal of a wide range of process residues including inorganic salts. This phosphate-free product is typically used in manual, immersion, and recirculating spray systems including Clean-in-Place systems.

1 gal.	4 per cs.	1D22-08
5 gal. pail	each	1D22-05
30 gal. drum	each	1D22-02
55 gal. drum	each	1D22-01
300 gal. tote	each	1D22-P7K
300 gal. recyclable tote	each	1D22-D3

CIP 200® Acid-Based Process and Research Cleaner

A high performance liquid phosphoric acid cleaner for use in manual, recirculating spray, and immersion cleaning systems, including Clean-In-Place systems. The blended acid and surfactant system rapidly and efficiently removes a wide variety of scales, particulate, and inorganic soils commonly found in pharmaceutical, biotechnology, cosmetic, nutraceutical, and food and beverage processes.

1 gal.	4 per cs.	1D20-08
1 gal.	4 per cs. Bag-in-Box	1D20-BX
5 gal. pail	each	1D20-05
30 gal. drum	each	1D20-02
55 gal. drum	each	1D20-01
300 gal. tote	each	1D20-P7K
300 gal. recyclable tote	each	1D20-D3

Glass-Klenz® Glassware Detergent

A low foaming highly concentrated liquid detergent designed for use in the mechanical washing of glassware. It is not to be used on brass, aluminum, or other soft metals. This product contains no phosphates.

1 gal.	4 per cs.	1114-08
5 gal. pail	each	1114-05
30 gal. drum	each	1114-02

Glassware Washing Detergents

Process Klenz Alkaline Process and Research Cleaner

A liquid heavy duty alkaline cleaner for use in Clean-In-Place, recirculating spray, or immersion applications. An excellent cleaner to remove proteins, inorganics, grease, oils, and other process residues. It can be used to effectively clean research and production glassware.

5 gal. pail	each	1K84-05
30 gal. drum	each	1K84-02

Process Sanitizers

Process QDS® Process Disinfectant/Cleaner

A concentrated quaternary ammonium compound, acceptable for use in disinfecting, sanitizing, and deodorizing all surfaces not harmed by water. It is effective in hard water and organic soil loads. This product contains no phosphates. EPA Registration No. 1043-104.

1 gal.	4 per cs.	1J75-08
55 gal. drum	each	1J75-01



Spor-Klenz® Concentrate Cold Sterilant

A fast acting, liquid cold sterilant/disinfectant, filtered to 0.22 micron and specifically formulated for the sterilization and disinfection of hard surfaces. This product is a stabilized blend of peracetic acid, hydrogen peroxide, and acetic acid, which provides fast, effective microbial control, including spores. One quart of concentrate makes 25 gallons of solution at concentration of 1:99. Each case is accompanied by Certificates of Analysis and Filtration. Use-dilution of 1:99.

1 qt.	4 per cs.	6520-26
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Spor-Klenz® Ready-To-Use Cold Sterilant

A fast acting, liquid cold sterilant/disinfectant, filtered to 0.22 micron and specifically formulated for the sterilization and disinfection of hard surfaces. This product is a stabilized blend of peracetic acid, hydrogen peroxide, and acetic acid that provides fast, effective microbial control, including spores. It offers a low toxicity profile and requires no mixing or activation. Each case is accompanied by Certificates of Analysis and Filtration.

1 qt.	4 per cs.	6525-M2
1 gal.	4 per cs.	6525-01
55 gal. drum	each	6525-P4



Technical Support and Services

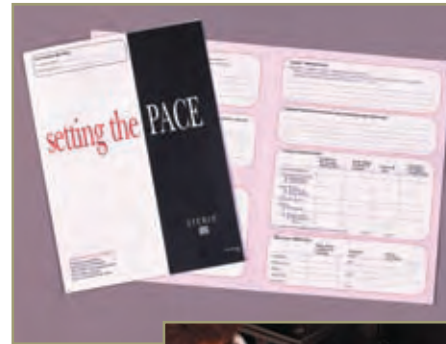
Technical Support

A highly qualified, industry-recognized team of chemists, microbiologists and engineers are available to offer product and process consultation. STERIS Technical Support currently provides both on- and off-site seminars with topics focusing on process cleaning and cleaning validation. An extensive library of technical data, laboratory reports, analytical methods and case studies have been developed including toxicity and substrate compatibility studies.

Our technical support services also include the Process And Cleaner Evaluation (PACE®) program, which is an evaluation service designed to provide our customers with recommendations for an effective cleaning protocol. Once an evaluation has been completed, STERIS provides a report that assists customers in developing a cleaning protocol by defining parameters based on chemical type, concentration, cleaning time, temperature, cleaning method and water quality. The PACE program is an essential first step for any cleaning application.

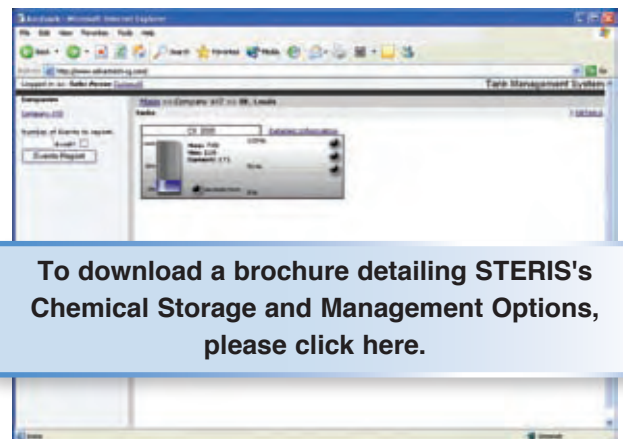
STERIS provides consistent quality in our ISO 9001 registered and FDA inspected manufacturing plant locations.

There is a PACE report you can print out in this PDF. It is located on pages 47-52.



STERIS Chemical Storage and Management Options

STERIS offers a variety of chemical delivery systems including: drums/pails, Intermediate Bulk Containers, transfer to bulk storage tanks, tanker truck deliveries, and bulk chemical storage systems. In addition, STERIS can assist with the design and installation of chemical distribution monitoring systems.



To download a brochure detailing STERIS's Chemical Storage and Management Options, please click here.

COMPARATIVE MEDICINE

Cage Washing Detergents

Sterilants & Disinfectants

General Purpose Cleaners

STERIS manufactures specially formulated cage cleaners and hard surface disinfectants to remove residues from animal research cages and prevent infection in:

- > Pharmaceutical Research Facilities
- > Toxicology Laboratories
- > University Research Facilities
- > Federal Government and Military
- > Research Facilities
- > Private & Contract Research Facilities

STERIS provides consistent quality in our ISO 9001 registered and FDA inspected manufacturing plant locations.

STERIS Service Inspection Support is designed to ensure consistent performance of your animal infection control process.

Cage Washing Detergent

Cage-Klenz® 100 Alkaline Cage Wash Detergent

A liquid phosphate-free detergent system for use in high pressure spray animal cage washing equipment. This product is safe and effective in both soft and hard water for the removal of urine scale, organic soils, and metal oxides. It is suitable when used as directed to clean all types of metal cages (steel, aluminum, copper, and other common alloys) as well as most plastics.

5 gal. pail	each	1K10-05
15 gal. drum	each	1K10-P3
30 gal. drum	each	1K10-02
200 gal. tote	each	1K10-83K

Cage-Klenz 100 alkaline detergent
30 gal. drum

Cage-Klenz 100 alkaline detergent
5 gal. pail



Cage-Klenz® 150 Alkaline Cage Wash Detergent

A chlorinated alkaline detergent for use in automatic washing equipment, including cage and bottle washers. This product utilizes improved chemistry and significantly extends the stability of the active chlorine compared to other commercially available products, and therefore, cleans a broad spectrum of soils more efficiently for a longer time.

5 gal. pail	each	1K15-05
30 gal. drum	each	1K15-02

Cage-Klenz® 200 Acid-Based Cage Wash Detergent

A high performance chelated acid cleaner for removal of a wide spectrum of soils. It contains wetting and penetrating agents for the safe and effective removal of hard water scale, urine scale, and metal oxide. The high level of phosphoric acid blended with a chelating acid results in a fast and complete penetration and removal of the heaviest build up of soils in the shortest possible time.

5 gal. pail	each	1K20-05
30 gal. drum	each	1K20-02
200 gal. tote	each	1K20-83K

Cage-Klenz 200 acid-based detergent
30 gallon drum

Cage-Klenz 200 acid-based detergent
5 gallon pail



Cage-Klenz® 180 Alkaline Cage Wash Detergent

An economical, general purpose alkaline detergent for use in high pressure spray animal cage washing equipment and mechanical cage washers as well as for manual cleaning. This product is safe and effective in both soft and hard water for the removal of animal fats and oils, organic soils, and metal oxides. Cage-Klenz 180 detergent is free-rinsing, reducing the potential for detergent residues on animal cage surfaces. Additionally, it is safe for use on polycarbonate, stainless steel, and aluminum animal cages.

5 gal. pail	each	1K18-05
30 gal. drum	each	1K18-02
55 gal. drum	each	1K18-01
250 gal. recyclable tote	each	1K18-D7

Cage Washing Detergent

Cage-Klenz® 220 Acid-Based Cage Wash Detergent

A liquid, phosphate-free hydroxyacetic acid based detergent system containing a proprietary blend of wetting and penetrating agents. This product is designed to loosen and remove hard water and urine scale, organic soils, and metal oxides. Formulated to be free-rinsing and low foaming, Cage-Klenz 220 detergent eliminates residual carryover and spotting.

5 gal. pail	each	1K22-05
30 gal. drum	each	1K22-02

Cage-Klenz®/Neutral Pair Part A Acid-Based Cage Wash Detergent

An organic acid-based cleaner that contains a proprietary blend of wetting and penetrating agents for the safe and effective removal of hard water scale, urine scale, organic soils, and metal oxides.

30 gal. drum	each	1K02-02
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Cage-Klenz® 250 Acid-Based Cage Wash Detergent

A liquid phosphate-free citric acid-based cleaning compound that contains a proprietary blend of wetting and penetrating agents for the safe and effective removal of hard water scale, urine scale, organic soils, and metal oxides.

5 gal. pail	each	1K25-05
30 gal. drum	each	1K25-02
200 gal. tote	each	1K25-83K

Cage-Klenz®/Neutral Pair Part B Alkaline Cage Wash Detergent

A concentrated phosphate-free alkaline detergent system for use in automatic cage wash equipment. It is specifically designed to be used with Cage-Klenz Neutral Pair Part A detergent for cleaning and neutralization in cage wash equipment.

30 gal. drum	each	1K04-02
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Cage-Klenz® 280 Acid-Based Cage Wash Detergent

An effective, economical acid cleaner used for the removal of a wide spectrum of soils from most metals, plastics, and glass. It combines wetting and penetrating agents for the safe and effective removal of build-up caused by hard water and urine scale. This product can be used as a dip, soak, or directly in the washer.

5 gal. pail	each	1K28-05
30 gal. drum	each	1K28-02



Sterilants and Disinfectants

Coverage® Spray TB Ready-to-Use Disinfectant Cleaner

A ready-to-use quaternary-based disinfectant spray effective against *Mycobacterium tuberculosis* (BCG) and other bacteria, the HIV-1 (AIDS) virus, canine parvovirus, and pathogenic fungi.

22 oz.	12 per cs.	1429-77
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1-Stroke Environ® Germicidal Detergent

A phenolic germicidal detergent for the animal health and agribusiness markets. EPA Registration No. 1043-26. Use-dilution is 1:256.

1 gal.	4 per sc.	5397-08
55 gal. drum	each	5397-01



LpH® ag One-Step Cleaner Disinfectant

A broad spectrum non-alkaline phenolic-based germicidal cleaner that is 5% effective in hard water. It is specifically formulated to clean, disinfect, and deodorize in a one-step process for the agricultural and laboratory animal research markets. EPA Registration No. 1043-91. Use-dilution is 1:256.

1 gal.	4 per cs.	6341-08
55 gal. drum	each	6341-01



Sterilants and Disinfectants

Process NPD® One-Step Germicidal Detergent

A phosphate-free one-step cleaner/disinfectant formulated for use on hard non-porous surfaces. This product consists of four quaternary ammonium compounds formulated with a compatible detergent system. It is proven effective in the presence of heavy soil (5% bovine serum) and hard water. Process NPD disinfectant contains no perfumes or dyes that could interfere with critical research studies or manufacturing processes. Use-dilution is 1:256.

1 gal.	4 per cs.	6390-08
30 gal. drum	each	6390-02
55 gal. drum	each	6390-01



Spor-Klenz® Concentrate Cold Sterilant

A fast acting, liquid cold sterilant/disinfectant, filtered to 0.22 micron and specifically formulated for use in the sterilization and disinfection of hard surfaces. This product is a stabilized blend of peracetic acid, hydrogen peroxide, and acetic acid that provides fast, effective microbial control, including spores. One quart of concentrate makes 25 gallons of solution at a concentration of 1:99. Each lot is documented by Certificates of Analysis and Filtration. Use-dilution is 1:99.

1 qt.	4 per cs.	6520-26
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Spor-Klenz® Ready-To-Use Cold Sterilant

A fast acting, liquid cold sterilant/disinfectant, filtered to 0.22 micron and specifically formulated for use in the sterilization and disinfection of hard surfaces. This product is a stabilized blend of peracetic acid, hydrogen peroxide, and acetic acid that provides fast, effective microbial control, including spores. It offers a low toxicity profile and requires no mixing or activation. Each lot is documented by Certificates of Analysis and Filtration.

1 qt. (800 mL fill)	4 per cs.	6525-M2
1 gal. (3200 mL fill)	4 per cs.	6525-01
55 gal.	4 per cs.	6525-P4



T.B.Q.® Hard Surface Disinfectant

A phosphate-free disinfectant specifically formulated for use on hard non-porous surfaces. This product consists of an advanced quaternary ammonium compound that kills both gram-positive and gram-negative bacteria and acid-fast bacilli. It is proven effective in hard water. T.B.Q. disinfectant is effective against tuberculosis when diluted in distilled water. Use-dilution is 1:128.

1 gal.	4 per cs.	6345-08
5 gal. pail	each	6345-05
55 gal. drum	each	6345-01



General Purpose Cleaners

Foam 140® Alkaline Process and Research Cleaner

A heavy duty, concentrated alkaline cleaner with excellent soil emulsifying and dispersing properties. When used with pressurized foaming spray equipment, this product develops foaming properties to increase cleaning contact time. Foam 140 cleaner is particularly effective against fats, oils, and organic soils typically found in pharmaceutical, cosmetic, nutraceutical, food and beverage processing, and manufacturing support laboratories, including animal research facilities.

5 gal. pail	each	1D14-05
30 gal. drum	each	1D14-02

Foam 140 alkaline cleaner
30 gallon drum

Foam 140 alkaline cleaner
5 gallon pail



Foam 240® Acid-Based Process and Research Cleaner

A high performance, concentrated acid cleaner with excellent descaling and dispersing properties. When used with suitable foaming spray equipment, this product develops foaming properties to increase cleaning contact time. Foam 240 cleaner is particularly effective in pharmaceutical, cosmetic, nutraceutical, food and beverage processing, manufacturing pilot laboratories, and animal research facilities.

5 gal. pail	each	1D24-05
30 gal. drum	each	1D24-02

Foam 240 acid cleaner
55 gallon drum

Foam 240 acid cleaner
5 gallon pail



GP Cleaner® General Cleaning Detergent

A concentrated general purpose liquid cleaner, non-flammable and non-toxic, that has amazing dirt releasing power for floors, walls, and equipment. It contains corrosion and rust inhibitors.

1 gal.	4 per cs.	1106-08
55 gal. drum	each	1106-01



STERILITY ASSURANCE

Biological Indicators

Chemical Indicators/
Record Keeping

Process Indicators

Packaging

Personnel Monitoring
Systems

Biohazard Bags

STERIS provides a wide range of biological and chemical indicators for monitoring ethylene oxide, dry heat, steam, and vaporized hydrogen peroxide (VHP[®]) decontamination processes. STERIS also provides sterilization packaging for sterility maintenance at point-of-use. In addition, accessories and specialty products are available to further satisfy sterility assurance needs.

Biological Indicators

Verify® Self-Contained Biological Indicators (SCBIs)

The Verify Self-Contained Biological Indicator System is designed to monitor steam and/or ethylene oxide (EO) sterilization processes. Each Verify SCBI consists of a plastic cap and vial containing a disc carrying *Geobacillus stearothermophilus* (steam) (GST) and *Bacillus atrophaeus* (EO) (BA)* spores and an ampule of bacterial culture medium combined with a pH indicator. In addition, these biological indicators are available in single species E6 populations. A color change from blue to yellow after activation and incubation gives unmistakable evidence of microbial growth. The chemical process indicator printed on each Verify SCBI vial label shows that minimal process parameters were attained. Each lot of Verify SCBIs is produced under tightly controlled conditions and thoroughly tested to ensure compliance with STERIS's strict quality requirements.

Verify® Process Challenge Devices

Verify Process Challenge Devices are available in both ethylene oxide (EO) and steam test packs. Process challenge devices are critical in simulating worst-case conditions when performing cycle development. The Verify EO and Steam Test Packs were developed to represent a greater resistance than the AAMI 16 towel biological test pack. The Verify Test Packs utilize the Verify SCBIs as well as a chemical indicator or record card. Each box includes 20 test packs and 5 controls.

*The American Type Culture Collection (ATCC) has made a change to the scientific names of the spores used in our SCBIs: *Bacillus stearothermophilus* will now be *Geobacillus stearothermophilus*, and *Bacillus subtilis* will now be *Bacillus atrophaeus*. STERIS is in the process of updating our product labeling to reflect this change. This is a change in name only and does not impact the product performance specifications.

Verify SCBIs

Verify Dual & Process Self-Contained	50/ct.	S3061
Verify Dual Species Self-Contained	100/ct.	S3060
Biological Indicator GST E5/BA E6		
Verify Int. Steam SCBI GST E6	100/ct.	S3111
Verify Int. EO SCBI BA E6	100/ct.	S3112
Verify Activator Set	each	S3075

Verify Process Challenge Devices

Verify Steam Test Pack	20/ct.	S3065
Verify EO Test Pack	20/ct.	S3070



S3065



S3060

Verify Incubators

Dual Species 28 Well	each	S3080
Steam 28 Well	each	S3082
Steam 6 Well	each	S3271



S3080

Biological Indicators

SpordeX® and Spordi® Strips and Discs

SpordeX and Spordi Strips and Discs are specifically designed for determining the effectiveness of steam, ethylene oxide (EO), dry heat, or vaporized hydrogen peroxide (VHP®) decontamination procedures. Each strip and disc is produced from a special filter paper inoculated with bacterial spores. Biological Indicators with known resistances and spore populations ensure consistent sterility monitoring.

SpordeX Strips and Discs are available with either *Bacillus atrophaeus* (BA) for ethylene oxide or dry heat cycles, or *Geobacillus stearothermophilus* (GST)* for saturated steam or Vaporized Hydrogen Peroxide (VHP) cycles.

Spordi Strips and Discs are inoculated with both *B. atrophaeus* and *G. stearothermophilus*. This minimizes stocking problems because they can be used to check the efficacy of steam, EO, and dry heat sterilizers.

Individual SpordeX and Spordi Strips are sealed in clearly identified sterilizable glassine packages.

* The American Type Culture Collection (ATCC) has made a change to the scientific names of the spores used in our SCBIs: *Bacillus stearothermophilus* (BST) will now be *Geobacillus stearothermophilus*, and *Bacillus subtilis* (BSN) will now be *Bacillus atrophaeus*. STERIS is in the process of updating our product labeling to reflect this change. This is a change in name only and does not impact the product performance specifications.



Dry Heat and EO Strips and Discs

SpordeX Strip BA E6	500/ct	NA005
SpordeX Strip BA E6	100/ct	NA004
SpordeX Disc BA E6	1000/ct	NA075
SpordeX Disc BA E6	100/ct	NA130

Steam Strips and Discs

SpordeX Strip GST E6 (D-val 1.5-2.5)	500/ct	NA037
SpordeX Strip GST E6 (D-val 1.5-2.5)	100/ct	NA039
SpordeX Strip GST E6 (D-val 2.0-2.5)	500/ct	NA141
SpordeX Strip GST E6 (D-val 2.0-2.5)	100/ct	NA139
SpordeX Strip GST E6 (D-val 1.5-1.9)	500/ct	NA142
SpordeX Strip GST E6 (D-val 1.5-1.9)	100/ct	NA143
SpordeX Strip GST E5	500/ct	NA036

SpordeX VHP Discs

SpordeX VHP BI E5 GST (Polyflex)	100/ct	NA300-P
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Spordi Dual Species (Steam, EO, and Dry Heat)

Spordi Strip GST E4/ BA E6	500/ct	NA008
Spordi Strip GST E4/ BA E6	100/ct	NA010

Test Sets

Spordi User Cult. Set (Dual Species)	24/bx	NA015
Spordi Lab Cult. Set (Dual Species)	10/bx	NA214

Biological Indicators

Spordex® Suspensions

Spordex Suspensions contain bacterial spores in a liquid suspension. It is manufactured to meet the same rigorous standards as Spordex/Spordi Strips and Discs and contains no extraneous contamination that could affect performance. A certificate of analysis containing population and D-value is furnished with each lot. The suspension is available with spores of *Bacillus atrophaeus* (BA) for ethylene oxide (EO) gas and dry heat cycles, or *Geobacillus stearothermophilus* (GST*) for saturated steam or vaporized hydrogen peroxide (VHP®) cycles. Spordex Suspension is sold in 10 ml vials (approximately 100 product inoculations), each furnished in an easy-to-use kit including a 1.0 ml. disposable sterile syringe and instruction pamphlet.

*The American Type Culture Collection (ATCC) has made a change to the scientific names of the spores used in our SCBIs: *Bacillus stearothermophilus* will now be *Geobacillus stearothermophilus*, and *Bacillus subtilis* will now be *Bacillus atrophaeus*. STERIS is in the process of updating our product labeling to reflect this change. This is a change in name only and does not impact the product performance specifications.

NA030



NA026



Spordex Suspensions for EO and Dry Heat (10ml/vial)

Spordex Suspension E7/0.1ml. BA	each	NA026
Spordex Suspension E6/0.1ml. BA	each	NA002

Spordex Suspensions for Steam (10ml/vial)

Spordex Suspension E7/0.1ml. GST	each	NA091
Spordex Suspension E6/0.1ml. GST	each	NA030

Spordex Suspensions for VHP (10ml/vial)

Spordex VHP Suspension E7/.1ml GST	each	NA304
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Carrier Material

Spordex VHP SS Coupons (uninoculated)	100/ct	NA303
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Spordex® Culture Media

Spordex Culture Media has been developed to be used with STERIS Spordex and Spordi Biological Indicator Strips and Discs. Spordex Culture Media consists of a modified soybean casein digest broth, which contains a pH indicator. An easy-to-read color change in the medium from red to yellow is indicative of microbial growth.

Spordex Culture Media	100/box	NA114
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NA114



Chemical Indicators/Record Keeping

Verify® and Chemdi® Process Chemical Indicators

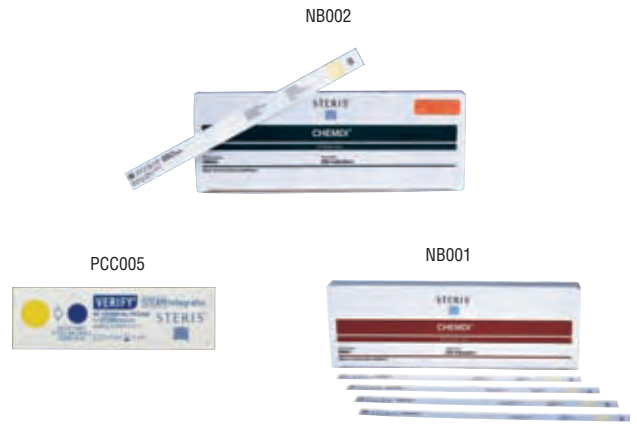
Chemical Indicators are designed to monitor penetration of steam, ethylene oxide (EO), dry heat, and vaporized hydrogen peroxide (VHP®) sterilization into sterilized packages.

Verify Standard Series of Chemical Integrators

Correlated to biological indicator inactivation, the Verify Integrator Strips confirm that all the critical parameters of sterilization have been achieved that would have inactivated (killed) a biological indicator.

Verify C5 Series of Chemical Integrators

The targeted, temperature-specific Class 5 steam integrators meet AAMI ST60 and ISO 11140 standards for integrating indicators. The easy-to-read yellow to blue color change occurs at the end of the exposure over a short period of time.



Chemdi Process Indicators

Chemdi Steam Indicator Strips (Long)	250/bx	NB001
Chemdi Gas Indicator Strips (Long)	200/bx	NB002
Chemdi Steam Indicator Strips (Short)	250/bx	NB034
Chemdi Gas Indicator Strips (Short)	200/bx	NB035
Chemdi Bulk Steam Indicator Strips	1000/bx	NB108
Chemdi Bulk Gas Indicator Strips	800/bx	NB110
Verify VHP Indicator	100/bx	NB305

Verify C5 Series Integrators

Short Steam Integrator 250°F(121°C) for 15 minutes	200/bx	PCC005
Long Steam Integrator 250°F(121°C) for 15 minutes	100/bx	PCC007
Short Steam Integrator 270-275°F(132-135°C) for 3 minutes	200/bx	PCC006
Long Steam Integrator 270-275°F(132-135°C) for 3 minutes	100/bx	PCC008

Verify Standard Series Integrator Strips

Verify Steam Integrator (pack)	100/bx	800010
Verify Steam Integrator (long)	250/bx	800510
Verify Steam Integrator (short)	250/bx	801010
Verify Laminated EO Integrator	100/bx	806110
Verify Dual Integrator (Steam and EO)	250/bx	810010
Verify Dual Integrator Laminated (Steam and EO)	250/bx	810110

Temp-A-Sure™

Temp-A-Sure measures temperature inside washing equipment to ensure efficacy. Four windows (160°F/70°C, 170°F/77°C, 180°F/83°C, and 190°F/88°C) indicate process temperature is achieved.

Temp-A-Sure	50/bg	NB225
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Steraffirm Chemical Indicators

Steraffirm Class 6 Emulating Indicators 134°C for 9 minutes	100/Box	PCC014
Steraffirm Class 6 Emulating Indicators 134°C for 3.5 minutes	100/Box	PCC013
Steraffirm Class 6 Emulating Indicators 121°C for 15 minutes	100/Box	PCC012
Steraffirm Control Tubes for steam - Black spot 121°C for 15 minutes	100/Box	PCC024
Steraffirm Control Tubes for steam - Yellow spot 134°C for 3 minutes	100/Box	PCC026
Steraffirm Control Tubes for steam - Red spot 121°C for 12 minutes	100/Box	PCC025
Steraffirm Control Tubes for steam - Green spot 160°C for 60 minutes	100/Box	PCC027
Steraffirm Control Tubes for steam - White spot 160°C for 120 minutes	100/Box	PCC028



Process Indicators

SteamTape and GasTape Process Indicator Tapes

SteamTape and GasTape Process Indicator Tapes are available for use in securing wrapped packs for steam and ethylene oxide sterilization. The tape surface can be written on with indelible ink without smearing or bleeding. The chemical indicator lines show a strong, sharp color change after processing.

Indicator Tape

SteamTape	1" x 60 yd	9/sleeve	260010
GasTape	1" x 60 yd	9/sleeve	410100



Air Removal Tests

Chemdi Daily Record Sheet		50/bx	NB003
Verify Bowie-Dick Test Card Multi-Pulse	(132-134°C)	31/bx	S3095
Verify Bowie-Dick Test Card Single-Pulse	(132-134°C)	31/bx	S3098
Verify Bowie-Dick Test Card Holder		1/bx	S3096
Dart Daily Air Removal Test	(132-134°C)	50/cs	NB113
Dart Daily Air Removal Test	(132-134°C)	10/pk	NB215

Chemdi Dry Heat Adhesive Label 1000/bx NB006



Sterrafirm Bowie Dick Test Pack

Sterrafirm Bowie Dick Test Pack for 132°C	20/Box	EQC001
Sterrafirm Bowie Dick Test Pack for 134°C-137°C	20/Box	EQC002
Sterrafirm Bowie Dick Test Pack for 121°C-124°C	20/Box	EQC003

Air Removal (Bowie-Dick) Tests

Daily Air Removal Tests confirm that prevacuum steam sterilizers can effectively remove air to allow steam penetration. Whether you choose the unique compact barrel design of the Dart® Daily Air Removal Test, the lead free and diagnostic feedback design of the Verify Bowie-Dick Test Pack, the economical Sterrafirm Bowie-Dick Test Card or construct your own packs with the Chemdi Daily Record Sheet, you will have reliable confirmation of air removal and steam penetration.



Packaging

Vis-U-All II® Sterile Packaging System

STERIS's Vis-U-All II packaging products redefine quality by offering one of the highest grades of paper and polypropylene in the industry. The shatter resistant film and 45 pound paper, in combination with the triple seal makes the Vis-U-All II packaging system one of the most reliable sterility maintenance system available today. In addition, Vis-U-All II packaging utilizes internal gas and steam chemical indicators creating a considerable sterility challenge. This product is also available in *Tyvek® for use in ethylene oxide. Vis-U-All II Tyvek packaging is ideal for the sterilization of rigid or sharp items that may puncture paper pouches. These pouches are available in heat seal, roll stock, and self-seal. The self-seal pouches feature a patented, no fold, flat seal design. Since there is no fold in the seal, there is no chance of Tunnel Fold Failure, which is common with other designs.

**(Tyvek® is a registered trademark of DuPont)*



Vis-U-All Pouches (Self-Seal)

3.5" x 9.5"	500/cs	866810
3.5" x 23.5"	500/cs	866815
5.25" x 7.25"	500/cs	866807
6" x 22"	500/cs	866817
7.5" x 14.5"	500/cs	866800
8" x 16"	250/bx	866840
5.25" x 11"	500/cs	866805
5" x 15"	500/cs	866809
12" x 18"	250/bx	866845

Vis-U-All Pouches (Heat-Seal)

3.5" x 8.5"	1000/cs	866610
3.5" x 24"	1000/cs	866615
4" x 5.5"	1000/cs	866620
4.5" x 11"	500/bx	866605
5" x 15"	1000/cs	866609
5.5" x 8"	1000/cs	866607
6" x 10"	1000/cs	866612
7.5" x 14"	500/bx	866600
8" x 16"	250/bx	866640
12" x 18"	250/bx	866645
16" x 16"	250/bx	866625
21" x 24"	250/bx	866630

Vis-U-All Tubing (Heat-Seal)

3" x 200' roll	5/cs	866650
4" x 200' roll	5/cs	866652
6" x 200' roll	5/cs	866655
9" x 200' roll	3/cs	866660

Heat Sealer

Rennco Lift Heat Sealer	each	866484
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Vis-U-All Pouches (Self-Seal) Tyvek

3.5" x 6"	500/cs	864802
3.5" x 9"	500/cs	864810
5.25" x 11"	500/cs	864805
7.5" x 15"	500/cs	864800
10" x 15"	250/bx	864835
12" x 18"	250/bx	864845

Vis-U-All Pouches (Heat-Seal) Tyvek

3.5" x 9"	1000/cs	864610
4.5" x 11"	1000/cs	864605
7.5" x 15"	1000/cs	864600
10" x 15"	250/bx	864635
12" x 18"	250/bx	864645

Vis-U-All Tubing (Heat-Seal) Tyvek

3" x 200'	5/cs	864650
4" x 200'	5/cs	864652
6" x 200'	5/cs	864655
9" x 200'	4/cs	864660
14" x 200'	2/cs	864665



Packaging

Eaglepac® Heat-Seal Pouches and Tubing

Eaglepac Heat-Seal Pouches and Tubing provide both strength and integrity and are suitable for steam sterilization. They contain sterile edges, dust tabs, steam chemical indicators, and thumb notches.

Eaglepac® Self-Seal Pouches

Eaglepac Self-Seal Pouches provide strength and integrity. Suitable for steam sterilization, they contain sterile edges, dust tabs, steam chemical indicators and thumb notches. Because of their unique no-channeling, no-folds, self-sealing system, no heat sealer is required.



Eaglepac Pouches (Heat-Seal)

3.5" x 8"	1000/cs	NE038H
4" x 11"	1000/cs	NE411H
6" x 10"	1000/cs	NE610H
7.5" x 13"	1000/cs	NE713H
12" x 15"	500/cs	NE215H
5.25" x 15"	1000/cs	NE515H
4" x 22"	1000/cs	NE022H
16" x 16"	500/cs	NE616H
18" x 24"	500/cs	NE824H

Eaglepac Tubing (Heat-Seal)

2" x 100'	10/cs	NE102H
3" x 100'	10/cs	NE103H
4" x 100'	10/cs	NE104H
6" x 100'	10/cs	NE106H
9" x 100'	10/cs	NE109H

Heat Sealer

Rennco Lift Heat Sealer	each	866484
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Eaglepac Self-Seal Pouches

3" x 6"	100/cs	NZ405H
3.5" x 8"	100/bx	NZ400H
3.5" x 22"	1000/bx	NZ404H
5.25" x 10"	100/bx	NZ401H
5.25" x 10"	1000/cs	NZ510H
7.5" x 13"	100/bx	NZ402H
7.5" x 13"	1000/cs	NZ713H
12" x 15"	100/bx	NZ403H
12" x 15"	500/cs	NZ215H

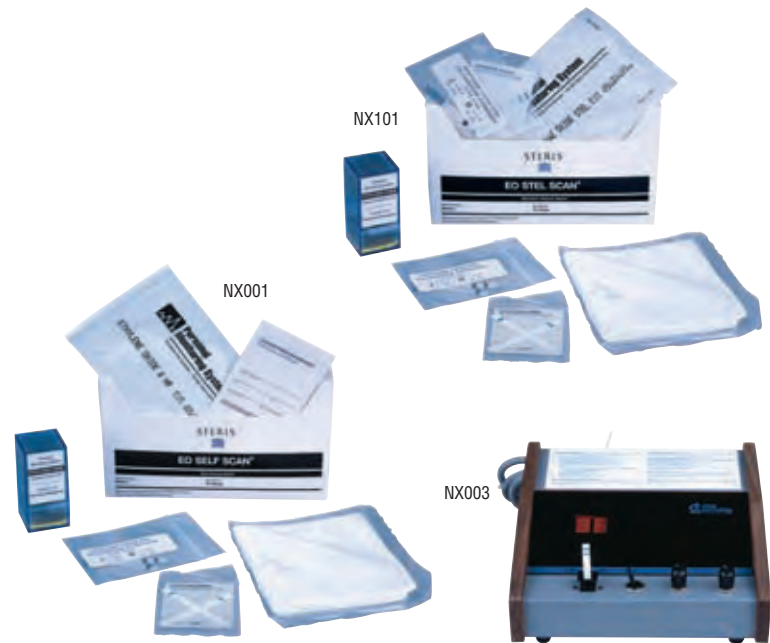
Personnel Monitoring System

EO Self Scan® Daily Personnel Monitor, EO STELscan™ Short-Term Exposure Limit Monitor, and Xylene Personnel Monitors

The above Personnel Monitoring Systems provide onsite results for monitoring employees' exposure to EO or xylene. These systems provide results the same day without leaving the work area. EO and xylene monitors can provide 8-hour, time-weighted average results as well as short-term exposure data, all meeting OSHA requirements for precision and accuracy.

ChemExpress™ Monitoring System

The ChemExpress Monitoring System is a mail-in monitoring service with reliable turnaround time. We perform the test, report the results, and retain and provide summary reports as needed. (All tests are prepaid.) Hands-off, hassle-free, and OSHA Compliant.



Personnel Monitoring Systems

EO Self Scan Badge	10/bx	NX001
Self Scan Reader	each	NX003
Monitor, Stel Scan	10/bx	NX101
Stel Holder Monitor	each	NX102
Chemdisk EO Monitor	5/bx	NX555
Anesthetic Gas, Chem-Express Mail-in Monitor	5/bx	NX574
Nitrous Oxide Monitor	5/bx	NX575
Aldehyde Monitor (Formaldehyde or Glutaraldehyde)	5/bx	NX571

Biohazard Bags

Biohazard Clear Bags

Made of strong plastic, these biohazard bags are autoclavable and suitable for steam sterilization. They are printed with bold visuals signifying decontamination use.

Biohazard Clear Bag

Clear Bag 12" x 24" w/Hazard Symbol	200/cs	NY701
Clear Bag 24" x 30" w/Hazard Symbol	200/cs	NY702



SKIN CARE

Alcohol Handrinses

Medicated Soaps

Routine Soaps

Lotions

The STERIS skin care products complement the Critical Environment, Process and Research Cleaning, Comparative Medicine, and Sterility Assurance product lines of infection and contamination prevention products.

Ourskin care products are specifically designed for personnel working in pharmaceutical filling areas, critical research laboratories, and other areas where the risk of contamination is high. When used properly, these mild pH balanced products effectively reduce microorganisms found on the skin without causing irritation. They are formulated to be gentle and effective.

Alcohol Handrinses

Alcare® Foamed Antiseptic Handrub

Alcare Foamed Antiseptic Handrub is formulated with ethyl alcohol and contains selected emollients to soften skin and prevent dryness. It is ideal for personnel in pharmaceutical environments for reducing the risk of environmental contamination. Alcare foamed alcohol is an excellent adjunct to handwashing when additional antimicrobial protection is needed. This product has documented efficacy against gram-positive bacteria and gram-negative bacteria. It meets the proposed criteria of the FDA Tentative Final Monograph as a healthcare personnel handwash and a surgical scrub.

11 oz. (Net wt. 9 oz.)	24 per cs.	6395-36
Wall bracket for 11 oz.	24 per cs.	T603-Q7
7 oz. (Net wt. 5.4 oz.)	24 per cs.	6395-57



Alcare® OR Foamed Antiseptic Handrub

Alcare OR Foamed Antiseptic Handrub is formulated with ethyl alcohol and enhanced emollients to eliminate damage associated with high frequency handwashing. It meets the proposed criteria of the FDA Tentative Final Monograph as a surgical scrub.

20 oz. (Net wt.17 oz.)	12 per cs.	6396-80
Foot Pump	1 each	T164-Q0



Cal Stat® Antiseptic Handrub with Emollients

Cal Stat Antiseptic Handrub with Emollients contains isopropyl alcohol that is formulated with selected emollients to soften skin and prevent dryness. It is ideal for personnel in pharmaceutical environments for reducing the risk of environmental contamination. This product is an excellent adjunct to handwashing when additional antimicrobial protection is needed. It has a modest baby powder scent and meets the proposed criteria of the FDA Tentative Final Monograph as a healthcare personnel handwash.

15 oz.	18 per cs.*	1460-RP
Wall bracket for 15 oz.	6 per cs.	1435-Q2

*Pumpettes included

4 oz.	72 per case	1460-03
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Medicated Soaps

Acute-Kare® Healthcare Personnel Handwash

Acute-Kare Healthcare Personnel Handwash is formulated for use in pharmaceutical areas where additional protection from microbial contamination is important. This product contains 1% PCMX and has documented efficacy against a broad spectrum of gram-positive and gram-negative microorganisms. It is non-irritating after repeated use due to its unique skin conditioners and emollient-enriched pH balanced formula. Acute-Kare handwash meets the proposed criteria of the FDA Tentative Final Monograph as a healthcare personnel handwash.

1 ltr.	12 per cs.	1206-87
SDS Dispenser for 1 ltr.	12 per cs.	1307-Q5
SDS Dispenser backplate	24 per cs.	1308-Q7
1 ltr.	12 per cs.	1206-BJ
BDP Dispenser for 1 ltr.	6 per cs.	1080-Q2
BDP Dispenser backplate	6 per cs.	1093-Q2
15 oz.	18 per cs.	1206-R2
Pumpettes for 15 oz.	6 per cs.	1B82-Q2
Wall bracket for 15 oz.	6 per cs.	1435-Q2



Bactoshield® CHG 2% Chlorhexidine Gluconate 2% Solution Antiseptic

Bactoshield CHG 2% Chlorhexidine Gluconate 2% Solution Antiseptic contains a 2% solution of chlorhexidine gluconate with 4% isopropyl alcohol in a non-alkaline base. It provides rapid, persistent bactericidal action against a broad spectrum of microorganisms. This product meets the proposed criteria of the FDA Tentative Final Monograph as a healthcare personnel handwash and a surgical scrub.

1 ltr.	12 per cs.	1322-87
*SDS Dispenser for 1 ltr.	12 per cs.	1307-Q5
*SDS Dispenser backplate	24 per cs.	1308-Q7
*Not shown		
1 ltr.	12 per cs.	1322-BJ
BDP Dispenser for 1 ltr.	6 per cs.	1080-Q2
BDP Dispenser backplate	6 per cs.	1093-Q2
1 qt.	12 per cs.	1322-24
Pumpettes for freestanding bottle	each	T627-Q0
Wall bracket for 1 qt.	each	T634-Q0
Pumpettes for wall bracket	each	T629-Q0



CV® Medicated Lotion Soap

CV Medicated Lotion Soap is an antimicrobial skin cleanser with lotion for use in pharmaceutical areas where additional protection from microbial contamination is important. This product contains 0.5% triclosan, a proven antibacterial agent with documented efficacy for both gram-positive and gram-negative bacteria. It is thick, creamy, quick lathering, and easy rinsing with emollients and skin conditioners that encourage personnel to wash many times daily without the adverse side effects of harsher soaps. CV Medicated Lotion Soap meets the proposed criteria of the FDA Tentative Final Monograph as a healthcare personnel handwash.

1 ltr.	12 per cs.	6262-87
SDS Dispenser for 1 ltr.	12 per cs.	1307-Q5
SDS Dispenser backplate	24 per cs.	1308-Q7
1 ltr.	12 per cs.	6262-BJ
BDP Dispenser for 1 ltr.	6 per cs.	1080-Q2
BDP Dispenser backplate	6 per cs.	1093-Q2
15 oz.	18 per cs.*	6262-R2
Wall bracket for 15 oz.	6 per cs.	1435-Q2



Medicated Soaps

Septisol NPD® with Triclosan Antiseptic Handwash

Septisol NPD® with Triclosan Antiseptic Handwash is a mild handwash with broad spectrum antimicrobial action suitable for frequent use that contains 0.25% triclosan.

1 gal. 4 per cs. 1357-08



Routine Soaps

Kindest Kare® Skin Cleanser with Protein

Kindest Kare Skin Cleanser with Protein is formulated for routine, general use. It combines the latest technology of skin cleansing and mildness. This skin cleanser contains selected skin conditioners including protein and Merquat® to help reduce the dryness and irritation typically associated with frequent hand washing.

1 ltr. 12 per cs. 1105-87
 SDS Dispenser for 1 ltr. 12 per cs. 1307-Q5
 SDS Dispenser backplate 24 per cs. 1308-Q7

1 ltr. 12 per cs. 1105-BJ
 BDP Dispenser for 1 ltr. 6 per cs. 1080-Q2
 BDP Dispenser backplate 6 per cs. 1093-Q2

15 oz. 18 per cs. 1105-R2
 Pumpettes for 15 oz. 6 per cs. 1B82-Q2
 Wall bracket for 15 oz. 6 per cs. 1435-Q2



Merquat® is a registered trademark of Nalco Company.

Kindest Kare® Body Wash & Shampoo

Kindest Kare Body Wash & Shampoo is a gentle body wash and shampoo formulated with Vitamin E, aloe vera, and emollients. It is a versatile and economical product that can be used for routine bathing, shampooing and handwashing. The select combination of surfactants and conditioners in Kindest Kare Body Wash & Shampoo leave skin and hair soft and clean without drying.

1 gal. 4 per cs. 1117-08
 Not shown

1 ltr. 12 per cs. 1117-87
 SDS Dispenser for 1 ltr. 12 per cs. 1307-Q5
 SDS Dispenser backplate 24 per cs. 1308-Q7

1 ltr. 12 per cs. 1117-BJ
 BDP Dispenser for 1 ltr. 6 per cs. 1080-Q2
 BDP Dispenser backplate 6 per cs. 1093-Q2

4 oz. 72 per cs. 1117-03



Lotions

Lotion Soft® Skin Conditioner

Lotion Soft Skin Conditioner is an ultra-rich, CHG compatible skin care lotion that contains no mineral oil or petrolatum, which are known to be latex incompatible. Its moisturizing effect will persist even through several handwashings. For use in conjunction with all Bactoshield CHG products.

15 oz.	12 per cs.	1029-R5
Pumpettes for 15 oz.	6 per cs.	1B82-Q2
Wall bracket for 15 oz.	6 per cs.	1435-Q2
4 oz.	72 per cs.	1029-K6



Kindest Kare® Protective Ointment

Kindest Kare Protective Ointment is a petrolatum based cream containing aloe vera and emollients to soothe and condition rough, dry skin. Kindest Kare Protective Ointment helps repel moisture.

8 oz.	12 per cs.	1321-46
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Kindest Kare® Skin Cream

Kindest Kare Skin Cream contains aloe vera, Vitamin E, and other emollients that act as skin conditioners to help soften and moisturize rough, dry skin. This product does not contain petrolatum or mineral oil, which are known to be latex incompatible.

1 gal.	4 per cs.	1442-08
1 ltr.	12 per cs.	1442-87
SDS Dispenser for 1 ltr.	12 per cs.	1307-Q5
SDS Dispenser backplate	24 per cs.	1308-Q7
15 oz.	12 per cs.	1442-R5
Pumpettes for 15 oz.	6 per cs.	1B82-Q2
Wall bracket for 15 oz.	6 per cs.	1435-Q2
4 oz.	72 per cs.	1442-03



VAPORIZED HYDROGEN PEROXIDE CONSUMABLES

VHP® Sterilant

STERIS manufactures a family of low temperature Vaporized Hydrogen Peroxide (VHP) generators. These products are validated worldwide and are used to sterilize isolators, work stations, production filling lines, rooms, gloveboxes, incubators and other sealed enclosures in research, biological safety and pharmaceutical applications.

STERIS also offers a specially formulated supply of Vaprox® Hydrogen Peroxide Sterilant, designed for use with the VHP systems to provide optimum equipment performance.

VHP Sterilant

Vaprox® 35% Hydrogen Peroxide Sterilant

A high-purity, specially formulated liquid sterilant developed specifically for VHP generators. This product is a stabilized solution of 35% hydrogen peroxide (H₂O₂) and a primary ingredient for fast, effective microbial control, including spores. Vaprox sterilant has been extensively tested to assure compatibility with VHP generator injection systems. Each shipment is accompanied by a Certificate of Analysis.

950 mL Cartridge

6 per cs.

PB006



FREQUENTLY ASKED QUESTIONS

STERIS Life Sciences Consumable Products

1. **Are your products manufactured in an FDA facility?**
STERIS manufactures products in FDA regulated and ISO 9001 certified manufacturing facilities. You can be assured that the manufacturing process will provide the control to produce a consistent quality product, which is vital in validated processes. Our commitment to product integrity is supported by a commitment letter to our customers guaranteeing formula integrity and product supply.
2. **Does STERIS provide technical support for its products and product applications?**
The STERIS Technical Support Group has years of experience supporting the pharmaceutical, biotechnology, cosmetic, and other related markets. Our staff is equipped with chemical engineers, microbiologists, and analytical chemists with an average of 15 years industry experience. We provide on- and off-site customer seminars and are often key speakers at industry trade shows.
3. **I am glad to see that you provide technical support, but can I get it in writing?**
We provide a vast array of technical documentation supporting all of our products. Documents providing substrate compatibility, toxicity data, analytical methods, case studies, technical data, and much more are available through your STERIS sales representative or through our Technical Service Group at: 1-800-345-0802.
4. **How will I know which STERIS product is best for my cleaning application?**
STERIS's Technical Support Group utilizes a Process And Cleaner Evaluation (PACE®) program to determine cleaning agents and cleaning parameters. Our laboratory provides cleaning studies using the customer's requirements for cleaning time, temperature, mechanical action, environmental concerns, and related variables. Our documented report details results and provides an excellent first step to begin performing field trials.
5. **Can STERIS's cleaning products be validated?**
STERIS products are supported by an extensive data package. Analytical methods exist for HPLC, TOC, conductivity, titration, and rinse water. Additional data exists to support shelf-life, substrate compatibility, and toxicity issues related to STERIS products.
6. **What type of documentation comes with your Critical Environment products?**
We understand the importance of documentation to support your validated processes. For all of our sterile products and sterilants, a complete documentation package accompanies each case of product. This documentation package includes: Certificate of Analysis, Certificate of Sterility, Certificate of Irradiation (on all sterile products), and Certificate of Filtration (on alcohols and sterilants).
7. **Do you offer products not shown in your catalog?**
Although we update our catalog often, there may be new product introductions or additional package sizes that are not listed. If you wish to inquire about a specific product or package size, please contact your local STERIS sales representative or call Customer Service at: 1-800-444-9009 or visit our website to view our on-line catalog at <http://www.steris.com/lifesciences/lifesciences.cfm>
8. **My quality department wants to audit STERIS's manufacturing facilities. Do you allow this?**
Audits of our FDA regulated and ISO 9001 manufacturing facilities may be coordinated. Major industry leaders have endorsed the integrity of our manufacturing processes. To arrange an audit contact your local STERIS sales representative or call Customer Service at: 1-800-444-9009.
9. **Do you offer training programs that support the use of your products?**
We offer a variety of technical, end-user and safety training for all of our products. To discuss what training programs are suitable for your needs contact your local STERIS sales representative or call Customer Service at: 1-800-444-9009.
10. **I would like a copy of a Material Safety Data Sheet (MSDS). How can I obtain it?**
Material Data Safety Sheets are available through Customer Service by calling: 1-800-444-9009. Or visit the STERIS Corporation website at www.steris.com for Life Science product information.
11. **How do I obtain additional information for products?**
STERIS has a highly trained and dedicated sales force to support your inquires and help to install the best cleaning practices for your facility. Please contact our Life Sciences Customer Service team at 1-800-444-9009 and they will have a sales associate contact you immediately.



The Unparalleled Performance of STERIS Corporation:

- FDA regulated and ISO 9001 certified manufacturing facilities: STERIS’s customers can be assured that our manufacturing process will provide a consistent high-quality product, which is vital for validated processes. Major industry leaders have endorsed the integrity of our manufacturing process, and audits of our facilities are encouraged.
- STERIS will provide a document in writing committing STERIS to formulation integrity and continued supply of selected Process and Research Cleaners and Critical Environment products. This is very important to a validated process. Our customers need to know that a product will be available in the same form after validation, since formula change can cause an extensive revalidation expense. They count on STERIS to deliver the highest standard of products.
- Formula Disclosure: Under secrecy agreement, STERIS will provide the formulation information necessary to conduct validated analytical methods for residue detection. This can save customers valuable time in selecting appropriate analytical methods.
- STERIS provides a strong Technical Service organization and resources to support the use of our consumable products:

Technical Data	(PACE®) Process And Cleaner Evaluation Program
Technical Tips	Analytical methods
Laboratory reports	Case studies
Customer seminars	Technical training programs
- STERIS Life Sciences has a dedicated Technical Sales organization, Customer Service group, and Marketing group focused on the FDA-regulated manufacturing customer base. We provide on-site training, educational seminars, and technical support to keep employees up-to-date on regulatory compliance issues, product safety, new technologies, and protocols.
- STERIS cleaning chemistries, liquid sterilants, and disinfectants provide the necessary solutions for the contamination challenges associated with regulated environments such as research labs, aseptic processing, and bulk and biopharmaceutical manufacturing operations. Our extensive international expertise allows us to offer fully-validated documented formulations that meet global cleanroom standards.



**STERIS Corporation
FACT Sheet
Life Sciences Consumables**

IMPORTANT NEW OPERATION INFORMATION FOR CUSTOMERS OF STERIS CORPORATION

ORDERING INFORMATION

ORDERS AND CUSTOMER SERVICE	Phone: 800-444-9009 FAX: 440-350-7077	8:00 A.M.-6:00 P.M. EST
MAIL ORDERS	ORDERS MUST BE MAILED TO:	STERIS Corporation 5960 Heisley Road, Mentor, OH 44060-1834 Attn: Life Sciences Customer Service
ELECTRONIC COMMUNICATION (EDI)	For technical assistance relating to EDI, please contact: Dave Brais at 800-444-9009, Ext. 27078.	
CUSTOMER IDENTIFICATION NUMBERS	For specific information, please call Customer Service at 800-444-9009.	
STANDING PURCHASE ORDERS	Hard copy P. O. required with start date, quantity, end date, ship to/bill to, and terms information.	
MATERIAL SAFETY DATA SHEETS (MSDS)	Material Safety Data Sheets are available through Customer Service by calling 800-444-9009.	
BIDS AND QUOTES	Mail bid requests to: STERIS Corporation 5960 Heisley Road Mentor, OH 44060-1834 Attn: Ed Rodick	Mail quotes to: STERIS Corporation 5960 Heisley Road Mentor, OH 44060-1834 Attn: Life Sciences Customer Service
SHIPPING AND HANDLING	Standard Freight Terms: FOB Origin, or as specified in National Contract/Distributor Agreement, etc.	
RETURNED GOODS	Most consumable products may be returned to STERIS Corporation for credit, providing the items area not tampered with and remain unopened, have not surpassed the available shelf life criteria, and are packaged in their original shipping container (partial containers will not be authorized for return). Prior to signing for the goods, it is the responsibility of the facility to inspect all deliveries to ensure packages are not damaged. All returns must clearly display their Return Material Authorization Number (RMA) number on the outside packaging. STERIS Corporation Customer Service assigns these numbers when the item(s) are approved for return. Returned Goods may be subject to a 20% restocking fee. Regulatory restrictions may prohibit the return of certain items.	
ORDERING LITERATURE	If you would like to learn more about a particular product shown here, or would like more information on other STERIS products, please contact your STERIS Account Manager or Customer Service at 800-444-9009 for product literature.	



PAYMENTS AND CREDITS

PRICING All current STERIS Price Lists, Contracts, and Agreements shall remain in effect until further notice.

PAYMENT TERMS Net 30 Days

INVOICES AND PAYMENTS Payments for all orders should be remitted to:
 STERIS Corporation
 P.O. Box 75044
 Cleveland, OH 44101-2199
 Attn: Accounts Receivable
 Please use your STERIS account number when remitting payments and reference the invoice(s) you are paying. To verify your account number, please call 800-444-9009.

CREDIT CARDS VISA, MasterCard, and American Express

DAMAGED GOODS Notify STERIS Corporation Customer Service at 800-444-9009 within 48 hours of receipt. Prior to signing for the goods, it is the responsibility of the facility to inspect all deliveries to ensure packages are not damaged upon receipt. If goods are damaged, the customer must sign as damaged on initial paperwork when processing incoming shipment.

DRUM, PAIL, AND TOTE DIMENSIONS

CONTAINER SIZES (inches)	L=Length	W=Width	H=Height	D=Diameter	TW=Tare Weight
5 gallon	L: 11 3/4	W: 9 7/8	H: 14 3/4		TW: 3.2 lbs
30 gallon			H: 29	D: 19 1/4	TW: 13.2 lbs
55 gallon			H: 34 3/4	D: 23 1/4	TW: 21.5 lbs
220 gallon (Ultratainer®)	L: 46	W: 46	H: 54		TW: 378 lbs
330 gallon (Ultratainer®)	L: 46	W: 46	H: 70		TW: 447 lbs
275 gallon (Disposable)	L: 47	W: 39	H: 47		TW: 166 lbs
330 gallon (Disposable)	L: 47	W: 39	H: 54		TW: 168 lbs

TECHNICAL QUESTIONS AND OTHER INQUIRIES

TECHNICAL SUPPORT For questions on technical tips, analytical methods, etc. please contact STERIS Corporation's Technical Support at 800-345-0802.

UNANSWERED QUESTIONS Please refer to the Frequently Asked Questions section on this binder. If you have additional questions, please contact STERIS Corporation's Customer Service at 800-444-9009.

*Ultratainer® is a registered trademark of Snyder Industries Inc.



**STERIS Corporation
CREDIT APPLICATION and AGREEMENT**

STERIS Corporation's payment terms are Net 30 Days from invoice date. All invoices are due on the due date regardless of required installation or service. If any sections of the application are not completed, credit allocation may be adversely affected.

A. APPLICANT				
Exact Legal Name of Applicant		State of Organization and Type of Business		Number of years/months in business
List all Business Name, trade names, DBAs, divisions, or subsidiaries				Contact person (Direct line/Ext)
Street Address			Mailing Address (if different from Street Address)	
Business Phone # (incl. area code)		Fax # (incl. area code)		e-Mail Address or Company Website
Ship To Address (Provide as much detail as possible, i.e., Lab #, dept., attention to, etc.)				
Bill To Address (if different from Ship To Address)			Will a leasing company be used as the Bill To for any orders? Yes <input type="checkbox"/> No <input type="checkbox"/> If "Yes", please explain,	
Has your company ever filed bankruptcy or have even been affiliated with a company that has filed bankruptcy? Yes <input type="checkbox"/> If "Yes", please provide detail.			Have you ever done business with STERIS Corporation before? Yes ___ No ___ If "Yes", please provide detail.	
Estimated Annual Sales		Amount of Credit Requested		Parent Company Name
B. BUSINESS INFORMATION (Check and Complete only the applicable item below)				
<input type="checkbox"/> Sole Proprietorship – (Name of Proprietor-location of principal residence)				SS#
<input type="checkbox"/> Partnership – (Name of Partner(s), address business is conducted, and location of the Chief Executive Office)				SS#
<input type="checkbox"/> Corporation/LLC/Limited Partnership				SS#
<input type="checkbox"/> Business Trust or Other:				
Federal Tax # (if applicable)		Sales Tax Exempt: Yes _____ No _____ If "Yes", attach copy of certificate		
C. BUSINESS OWNERSHIP/PARENT COMPANY				
Owner(s) / Address			% Owned	How long?
D. BANKING INFORMATION				
Name of Bank/Branch		Account Number		Type of Account
Address		Phone #		Fax #
Bank Officer Contact		Contact's Direct line/Ext		
CREDIT LINE INFO				
Total credit lines available		Total amount drawn		Amt available for future draws
				Terms
Lead Bank(s)		Is applicant in compliance with all terms, conditions, and covenants? Yes <input type="checkbox"/> No <input type="checkbox"/> If "No", please explain.		
<i>I/We hereby authorize Bank named above to release information requested for the purpose of obtaining and/or reviewing credit.</i>				
E. TRADE REFERENCES				
Company Name	Contact Name/Title	Address	Phone #	Fax #
<i>The preceding information is for the purpose of obtaining credit from STERIS Corporation and is warranted to be true. I/We hereby authorize STERIS Corporation to investigate all references and customary credit information sources including consumer credit reporting repositories regarding my/our credit and financial responsibility for the purpose of obtaining credit, and for periodic review for the purpose of maintaining the credit relationship.</i>				



Date: _____	Most Recent	Prior
Current Assets		
Cash on hand and in banks		
Accounts Receivable		
Inventory		
Other Current Assets		
Fixed Assets		
TOTAL ASSETS		
Current Liabilities		
Accounts Payable		
Bank Loans		
Notes Payable		
Other Current Liabilities		
Long Term Liabilities		
TOTAL LIABILITIES		
NET WORTH		
ANNUAL SALES		
NET INCOME AFTER TAXES		

**Note: 1. Full and most recent copies of Balance Sheet and P&L Statement may be required.
2. Indicate Currency**

The undersigned represents that these figures are taken from its books and records that said books and records are kept in accordance with generally-accepted accounting principles, and that these figures accurately reflect the financial condition of the undersigned company.

Open account terms are contingent upon creditworthy data received from information above. Letters of credit or cash-in-advance may be required.

Change of Ownership: I/We understand that we must notify STERIS Corporation in writing of any change in ownership, the name of the business, or structure of the business under which credit is established.

In the event of default, and if this account is turned over to an agency and/or attorney for collections, the undersigned agrees to pay all responsible attorney fees, and/or costs of collection whether or not suit is filed.

UCC1 Filing: To induce STERIS Corporation to extend credit, I/We hereby give STERIS Corporation a security interest in each item of equipment and other product purchased from STERIS Corporation (and any proceeds thereof) in order to secure payment when due of the purchase price for that item or product, costs and expenses payable by the undersigned in connection with the purchase and interest on such indebtedness. The security interest in each such item or product shall terminate when STERIS Corporation has received payment in full of the indebtedness for such item or product. I/We authorize STERIS Corporation to file one or more financing statements naming applicant as debtor covering equipment and other products purchased from time to time from STERIS Corporation. I/We further agree that the above grant/authorization may not be revoked without STERIS Corporation's written approval and that the foregoing does not obligate STERIS Corporation to grant or approve this application for credit or to otherwise extend credit to any of the undersigned at any time. **Applicant's signature, on behalf of the debtor, attests financial responsibility, ability, and willingness to pay in accordance with the above standard payment terms. Applicant, and the officer or other representative signing on behalf of applicant, hereby certify that they have carefully reviewed this credit application and it is true and complete.**

Company Name: _____

Authorized Officer: _____

Name/Title

Signature

Date

12/23/2005

United States

2

Questions and Answers about the PACE Program

What is the PACE Program?

PACE is the STERIS Process And Cleaner Evaluation program. PACE helps our Sales Representatives assist you in determining the best cleaning agent and application conditions for meeting your cleaning needs. The PACE program is supported at our Cleaning and Microbial Control (CMC) Technology Center by a fully staffed Technical Service Laboratory and experienced Technical Service specialists who will work with you and your STERIS Sales Representative to evaluate your needs and to design a cleaning program which meets those needs.

When Should the PACE Program be used?

The PACE Program should be used to help the customer (1) design a cleaning protocol for a new process, (2) upgrade the cleaning protocol for an existing process, or (3) troubleshoot problems that arise with an in-use cleaning protocol.

Customer objectives might include the following:

- Increased Productivity through reduced cleaning time
- Enhanced Comfort/Positioning relative to cleaning validation
- Improved Consistency/Reduced Downtime through fewer cleaning failures
- Reduced WFI Usage through the use of a formulated cleaner

In all of these cases, the PACE Program can help provide an empirical rationale for selecting a cleaner and establishing other cleaning parameters such as use temperature and cleaner concentration.

Summary

In summary, the PACE Program develops cleaning procedures to fit customers' needs. It is an excellent "first step" in the process of designing a new cleaning program or implementing process change.

Special PACE Considerations

A Material Safety Data Sheet (MSDS) must accompany each chemical residue submitted for PACE evaluation.

1. If an aqueous cleaning system is currently in use, it is highly beneficial to submit a quart of the current detergent along with this completed submission form. This allows comparison screening using the performance of the current detergent as a benchmark. This promotes a higher confidence level concerning performance in the field versus laboratory performance.

If faster cleaning, more complete cleaning, lower temperature cleaning, etc., can be empirically demonstrated on a direct comparison basis, the decision to move to field trial based on the laboratory data is reinforced.

2. Note: 3" x 6" and 1" x 3" 304 stainless steel panels (coupons) are utilized as the testing substrate for the PACE program. These coupons may be field-soiled at your facility and shipped to STERIS in the soiled state. If preferred, STERIS will soil the testing coupons to your specifications prior to PACE testing. These panels may be obtained through the Cleaning and Microbial Control Technology Center by utilizing the order form on the back of this document.

The value of the PACE Study is \$1200 (U.S. Funds) per sample.

SEND COMPLETED FORM AND SAMPLES TO:

STERIS Corporation
SCIENTIFIC Division
Attn: CMC Technology Center
7405 Page Avenue
St. Louis, MO 63133 • USA



Setting the PACE!

Contamination Control Process And Cleaner Evaluation Form

Company/Facility Data:

Company: _____ Division: _____
 Facility Location: _____ Dept.: _____
 Street: _____
 City: _____ State: _____ Zip/Postal Code: _____
 Country: _____
 Key Contact: _____ Title: _____
 Phone No.: _____ Fax No.: _____
 EMail Address: _____

This section is to be filled in by STERIS Sales Representative:

Sales Representative: _____ Territory No.: _____
 Phone No.: _____ Fax No.: _____

No. of items Submitted: _____ Date Submitted: _____
 Are items to be returned: Yes No May items be cut into pieces? Yes No
 Date results required: _____ Why? _____

CONTAMINATION CONTROL INDUSTRY TYPE OPTIONS (Please choose ONE option that applies for samples submitted.)

Pharmaceutical (Prescription & OTC)

- Upstream suppliers/
manufacturers**
- Fine chemicals (PF)
 - Components & supplies (PC)
 - Chemical intermediate (PH)
 - Other (PO) _____

- Bulk active manufacture**
- Chemical synthesis (BC)
 - Bio, extraction (BE)
 - Bio, fermentation (BF)
 - Bio, cell culture (BL)
 - Other (BO) _____

- Agricultural**
- General (AG)

Final dose production

- Parenteral (DP)
- Oral dose**
 - a. Liquid form (DL)
 - b. Solid form (DS)
- Topical (DT)
- Other (DO) _____

Personal Care

- Topicals & creams (CT)
- Makeup**
 - Base/foundation (CB)
 - Powder/rouge (CP)
 - Mascara/eye liner (CM)
 - Lipstick (CL)
- Other (CO) _____

Chemical Manufacturing

- General (GM)

Medical device/Medical Products

- Latex products (ML)
- Disposables (MD)
- Diagnostics (MG)
- Implants/Critical devices (MI)
- Other (MO) _____

Food and Beverage

- Brewing (FB)
- General beverage (FG)
- Meat, fish, poultry processing (FM)
- Bakery, snack foods (FS)
- General foods manufacturing (FF)
- Dairy (FD)
- Other (FO) _____

Lab Animal Research

- General (LG)

Note: Check one category only, please



Describe customer objectives/project objectives. (Include the facility's primary interest! Interests might include automating the cleaning process, reduced cleaning time, improved cleaning consistency, stronger position relative to validation, etc.)

List names and/or chemical composition of samples submitted for PACE (a **Material Safety Data Sheet is required for each sample**).

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

II Process Cleaning

Sample Information

Please supply the following sample size for testing: If Liquid send 250 milliliters
If Solid/Powder send 100 Grams

Do you now use a STERIS cleaner? Yes No

If yes, what is/are the STERIS cleaner(s)? _____

If the sample is in powder/solid form, should the sample be applied as a dry powder or applied as a mixed solution? _____

What solvent(s) should be used to mix with the solid before soiling the test coupons?

Please describe the typical soil conditions prior to cleaning.

Is the sample cleaned prior to drying onto equipment? Yes No

Air dried at ambient temperature for _____ hours. Additional comments: _____

Baked on at a temperature of _____ °C for _____ hours. Additional comments: _____



“Current” Cleaning Process

Describe* or submit “current” cleaning procedure (S.O.P.)!

*For description, include the different cycles, times, temperatures, products, concentrations, water quality and type of equipment. Customer SOP attached: yes no

Additional Comments and Concerns (attach additional pages if necessary).

“Desired” Cleaning Process

	Surface To Be Cleaned (SS/Glass/Etc.)	Temperature Range Available for Cleaning (°C)	Maximum Preferred Concentration	Maximum Acceptable Cleaning Time
Agitated Immersion				
CIP Spray Ball System <input type="checkbox"/> Impingement <input type="checkbox"/> Laminar flow				
Spray Washer <input type="checkbox"/> Parts Washer <input type="checkbox"/> Tunnel Washer				
Ultrasonic System				
Manual <input type="checkbox"/> Wipe/brush				
<input type="checkbox"/> Pressure spray psi/bar currently used: _____				

Is temperature maintained during the cleaning cycle? Yes No

Do you use tap water or purified water in your process wash cycle? Tap/Potable Purified/DI

Glassware Washing

	Temperature Range Available for Cleaning (°C)	Preferred Concentration	Present Cycle Time
Pre-Rinse		N/A	
Wash Cycle			
Rinse		N/A	
Acid Cycle			
Post Rinse		N/A	



Important Note

To: Our Customers

Subject: Shipping Samples to the U.S. for the PACE Program

In shipping samples to the USA for evaluation in the PACE Program, care must be taken to meet all shipping and regulatory requirements. Careful documentation will assure no delays at entry. **All documentation must be in English.**

1. Certification **must** be made that the samples meet the requirements of the **Toxic Substances and Control Act (TSCA)**. For confirmation of current EPA regulations, please visit the website www.epa.gov/r10earth. Click the section “Waste and Chemicals”, then click on “Chemicals in Commerce (TSCA)”.

One of two statements **must** be made regarding the materials being shipped. Either:

- a. “I certify that all chemical substances in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order thereunder.”

OR

- b. “I certify that all chemicals in this shipment are not subject to TSCA.”

No other wording can be substituted on the certification. The certification may be preprinted, typed or stamped on an entry document, invoice or other attachments. The preferred document on which certification appears is the US Customs Form CF 3461 or on the entry summary.

2. Mark the items clearly as “**pharmaceutical samples for laboratory testing only**”.
3. Materials derived from any animal, or produced with animal products or extracts of microorganisms are potentially subject to U.S. Department of Agriculture (USDA) regulations and must be cleared by USDA inspectors at the port of arrival before entry into the United States is authorized. A USDA import permit is required for animal material that may pose a risk of introducing epizootic livestock or poultry diseases exotic to the United States. **However, chemically synthesized biochemicals or materials that do not contain and were not derived from animal products may enter the country without USDA restrictions.** For confirmation of current USDA regulations, please visit the website www.aphis.usda.gov/NCIE. Click on the General Information section titled “Animal products that do not require an Import Permit”.

Procedures:

A USDA import permit will not be required for chemically produced biochemicals if the following is **provided in the shipping documents**:

- 1) An identification of the material (name)
- 2) A declaration with each shipment indicating that the material is chemically synthesized.
- 3) The declaration also states the material does not contain any animal or cell culture derived products for additives such as albumin or serum.

This information must be supplied as Original statements on producer/shipper letterhead in a clear and concise manner, and be available for review by the USDA Inspector at the Port of Arrival. We recommend that a separate memo or letter be included with the shipping documents, such as U.S. Customs declaration and invoice. Do not put documents **INSIDE** shipping containers.

Please instruct your shippers to provide this information.

If the above information is not supplied, the shipment will be subject to delays. If the material to be imported cannot meet these criteria, then a USDA import permit may be required.

4. **Fax** to Cy Mahnke at 011-314-290-4650, the **master airbill number** for the package being sent. This will enable us to track the package through customs.
5. Have your shipping company **notify our customs broker**, Kuehne & Nagel, at 001-314-731-0101 when the package is received in the USA.

The above guidelines and regulatory requirements will facilitate a rapid turnaround for your lab testing.

III PACE Cleaning Comparison:

Yes No

Product Name: _____

Manufacturer: _____

MSDS attached • (MSDS submission is mandatory)

EPA Reg. # (If Disinfectant or Sanitizer): _____

Describe current use of Product (e.g. concentration, application temperature, method of application, time of cleaning): _____

Is this product effective? Yes No _____

What improvements does customer seek? _____

Cut along dotted lines and utilize as a shipper label



setting the **PACE**

TO: STERIS Corporation
 SCIENTIFIC Division
 Attn: CMC Technology Center
 7405 Page Avenue
 St. Louis, Missouri 63133 • USA

Request for Coupons:

Mail In or Fax to CMC Technology Center (314) 290-4650.

Sales Representative: _____

Date: _____

Please forward _____ packets of stainless steel panel sets for soiling with product residue. They will then be returned to St. Louis for cleaning evaluation under the PACE program. NOTE: A packet is being ordered for each product residue targeted for cleaning evaluation. Each packet contains: • 6 x small panels 1" x 3" (2.5 cm x 7.6 cm) • 6 x large panels 3" x 6" (7.6 cm x 15.2 cm)

Ship Coupons to:

Account Name: _____

Account Address: _____ **We cannot ship to a P.O. Box. A street address must be provided.**

Key Contact: _____

Phone Number: _____



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To place an order, contact STERIS Life Sciences Customer Services at 800-444-9009.