



Research Corporation Product Catalog



Innovative Specialists in Dry Reagent Test Strips
for Medical and Industrial Applications



Serim Research Corporation develops, manufactures, and markets test strips based on Serim's dry reagent technology. Technology created and developed at our facility includes colorimetric chemistries, reagent/membrane impregnation, and test strip fabrication. In business since 1988, our fully integrated Research & Development/Manufacturing Center is located in Elkhart, Indiana in a state-of-the art, 32,630-square-foot, FDA-registered facility certified to ISO 9001 and ISO 13485 (specific for medical devices).

Serim Test Strips are used for:

- 💧 Monitoring the cleaning effectiveness of automated washer-disinfectors and ultrasonic cleaners used for medical instrument reprocessing.
- 💧 Testing for the presence of disinfectants and water quality in dialysis centers worldwide
- 💧 Testing to ensure High Level Disinfectants, reused extensively in freestanding and hospital-based surgical units, remain at the effective concentration
- 💧 The presumptive identification of *Helicobacter pylori* infection in gastric biopsies
- 💧 Monitoring sanitizers and disinfectants used in food & beverage, agriculture and hospitality industries
- 💧 Monitoring water quality in multiple industries to ensure optimal use of cleaning and sanitizing chemicals.

Complete product information for all Serim products can be found at: www.serim.com



Dialysis Disinfectants and Water Quality Test Strips



Since 1988, Serim has been manufacturing unique test strips for the dialysis market. Our test strips are currently used to test disinfectant concentration and water quality in thousands of dialysis centers worldwide. Our GUARDIAN test strips are FDA cleared for dialysis and have the industry's longest opened bottle use life

Product Code	Product	Application	Package Size
5100A	GUARDIAN™ Residual Chlorine	Test for residual bleach in rinse water after disinfecting dialysis machines.	Kit of 6 bottles (100 strips each)
5100C			Kit of 12 bottles (25 strips each)
5100QC	GUARDIAN™ Chlorine Control Pack	For use in preparing a positive control solution with Serim Tests 5100A, C, 5109, & 5167	Kit of 20 Chlorine Control Tablets & 5 sample cups
5105	GUARDIAN™ Residual Peroxide	Test for residual concentration of peracetic acid/peroxide-based disinfectants in dialyzers after rinsing	Kit of 6 bottles (100 strips each)
5106	GUARDIAN™ Peracetic Acid	Test for effective concentration (potency) of peracetic acid peroxide disinfectants in reprocessed dialyzers	Kit of 6 bottles (100 strips each)
5109	GUARDIAN™ HiSENSE™ Test Kit	Test for low concentrations of chloramine and/or free chlorine (total chlorine) in post-carbon feed water used to make dialysate.	Kit of 5 bottles (20 strips each), 1 Strip Holder & 1 bottle Reagent Solution
5109AP	GUARDIAN™ HiSENSE™ Accessory Pack	Supplementary components to make 5 individual test kits when used in combination with HiSENSE Kit #5109	4 Strip Holders & 4 bottles Reagent Solution
5112	GUARDIAN™ Residual Formaldehyde	Test for residual concentration of formaldehyde.	Individual bottles (100 strips each)
5116A	GUARDIAN™ Bicarb pH II	Determination of pH in concentrated bicarb solution or final dialysate; (acid conc. + bicarb conc. + water)	Kit of 5 bottles (100 strips each) plus Control Solution
5119C	GUARDIAN™ Blood Leak	Confirm the presence or absence of blood in dialysate if a blood leak alarm is activated.	Kit of 2 bottles (25 strips each)
5122	Serim PeriScreen™	Test for the presence of leukocytes (white blood cells) in peritoneal dialysate effluent, providing a presumptive indication of peritonitis.	Individual bottles (25 strips each)
5129	GUARDIAN™ Water Hardness	Determination of low levels of hardness (as CaCO ₃)	Kit of 6 bottles (50 strips each)
5161	MONITOR™ for Chlorine 100-750 ppm	Test for free chlorine in diluted bleach solution used for hard surface disinfection	Individual bottles (100 strips each)
5162	MONITOR™ for pH 0 –14	Indicates the pH of water or aqueous solutions in the extended range of 0-14.	Individual bottle (100 each)
5167	GUARDIAN™ HiSENSE ULTRA 0.1™	Test for low concentrations of chloramine and/or free chlorine (total chlorine) in post-carbon feed water used to make dialysate. Also tests for residual bleach in rinse water after disinfecting dialysis machines.	Kit of 5 bottles (100 strips each) plus 5 sample cups
5167IN	GUARDIAN™ HiSENSE ULTRA 0.1™ Individual Test Kit	Single bottle kit option for Product 5167 (see listing above)	Kit of 1 bottle (100 strips) plus 1 sample cup
5209	MONITOR™ for pH 5 –12	Indicates the pH of water or aqueous solutions in the extended range of 5-12.	Individual bottle (100 strips)



Food Safety and Sanitation Test Strips

Tests for Disinfectants,
Sanitizers & Water Quality



Our tests strips are used to determine sanitizer concentrations and water quality in many areas of the food production market including growers, processors, restaurants, and food service institutions. Our QSR specialty labeled products show optimal concentrations for the most common sanitizing solutions.

Product Code	Product	Application	Package Size
5155	Monitor™ for Chlorine 0 – 10 ppm	Indicates free chlorine concentration in chlorine-based sanitizers	100 strips/bottle
5148	Monitor™ for Chlorine 0 – 300 ppm	Indicates free chlorine concentration in chlorine-based sanitizers	100 strips/bottle
5148Q	Monitor™ for Chlorine 0 – 300 ppm QSR	Special label for Monitor for 0 – 300 ppm test to help identify when a solution's concentration is within or outside recommended testing range.	100 strips/bottle
5161	Monitor™ for Chlorine 100 – 750 ppm	Indicates the concentration of free chlorine in chlorine-based sanitizers	100 strips/bottle
5152	Monitor™ for QAC	Indicates the concentration of quaternary ammonium compounds in QAC-based sanitizers	100 strips/bottle
5152Q	Monitor™ for QAC - QSR	Test range is designed for QAC solutions with a 150ppm target range. Special label helps identify when a solution's concentration is within or outside recommended testing range.	100 strips/bottle
5149	Monitor™ for Water Hardness	Indicates the level of total hardness in water (as CaCO ₃)	50 strips/bottle
5162	Monitor™ for pH 0 – 14	Indicates pH of aqueous solutions in range of 0 – 14	100 strips/bottle
5188	Monitor™ for Residual Glucose	Indicates the presence of residual glucose in the final discharge water following tank truck cleaning	100 strips/bottle
5202	Monitor™ for Hydrogen Peroxide	Indicates the concentration of Hydrogen Peroxide in samples of diluted laundry solutions and similar applications	100 strips/bottle
5209	MONITOR™ for pH 5 – 12	Indicates the pH of water or aqueous solutions in the extended range of 5-12.	Individual bottle (100 strips)



Test Strips for High-Level Disinfectants

In the early 1990's Serim began developing and manufacturing test strips for measuring the concentrations of High Level Disinfectant (HLD) solutions. Our DISINTEK test strips are extensively used in hospital and surgery centers to determine that solutions are above the Minimum Effective Concentration (MEC) prior to disinfecting endoscopes and other medical instruments. DISINTEK test strips are FDA-cleared and have the longest open bottle life in the HLD market.



Product Code	Product	Application	Packaging
5121	Serim® DISINTEK™ OPA Test Strips	Test Cidex® OPA or MetriCide® OPA PLUS™ solutions to determine if solutions are above or below the MEC prior to use	Kit of 2 bottles (50 strips/bottle)
5136A	Serim® DISINTEK™ GTA 1.5% Test Strips	Test Cidex® or MetriCide® 1.5% GTA solutions to determine if solutions are above or below the MEC prior to use	Kit of 2 bottles (50 strips/bottle)



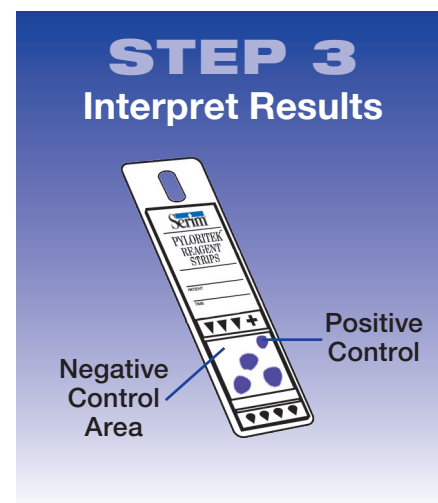
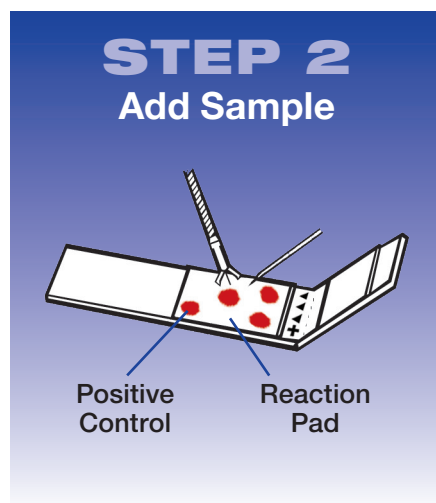
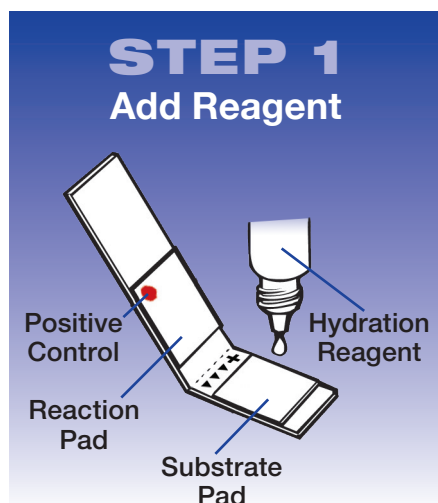


PyloriTek for the presumptive identification of *Helicobacter pylori* Infections

Our PyloriTek product is widely used in GI centers to assist in the diagnosis of *H. pylori* infections, the most common cause of gastric ulcers. Each PyloriTek test can test up to 3 biopsies from one patient, includes a built in positive control, and provides accurate results (96% sensitivity, 97% specificity). Results are available within one hour.



Product Code	Product	Application	Packaging
5140K	PyloriTek® Test Kit	Detects the presence of urease activity in gastric biopsies	Kit with 20 tests
5140S	PyloriTek® Test Kit	Detects the presence of urease activity in gastric biopsies	Kit with 5 tests
5146	PyloriTek® Positive Controls	Provides an external positive control test option that is sometimes required by some facilities and regulatory bodies	1 bottle with 5 positive control holders





Sterile Processing Department (SPD)/CSSD Tests

Our PINNACLE product line is used to monitor the cleaning efficacy of medical washer-disinfectors, ultrasonic cleaners, and manual cleaning processes when using enzymatic detergents. Our PINNACLE AEC test monitors all critical aspects of the cleaning process including enzyme concentration and activity, time, temperature, and mechanical action



Our MEC test is the only product on the market to *verify* the presence of active enzymes in manual cleaning solutions.

Product Code	Product	Application	Packaging
5176	PINNACLE™ Monitor for Automated Enzymatic Cleaning (AEC) – Bulk Kit	Monitors the cleaning efficacy of medical washer-disinfector units and ultrasonic cleaners using enzymatic detergents for reprocessing medical instruments	1 bottle (50 strips/bottle) <i>holders must be purchased separately</i>
5176H	PINNACLE™ Resin Holder	Required to hold PINNACLE AEC test strip during cleaning cycle – <i>Holders are reusable</i>	Kit (10 holders/kit)
5176SS	PINNACLE™ Stainless Steel Holder	Required to hold PINNACLE AEC test strip during cleaning cycle – <i>Holders are reusable</i>	Individual holder
5179	PINNACLE™ Monitor for Manual Enzymatic Cleaning (MEC)	Determines the presence of active enzymes in manual bath cleaning/soaking solutions using enzymatic detergents for reprocessing medical instruments	1 bottle (50 strips/bottle)





The goal of Serim Research is to produce products that safeguard human health and/or protect lives by diligently producing quality products that meet customer needs.

Serim Offers a Number of Customized Services Including:

- Contract Manufacturing
- Product Development
- Product Evaluation
- Private Label Products

Complete product information, pricing, and inquiries about customized services are available upon request