



Infection Prevention and
Instrument Management



Sterilization Solutions

Products and Guidelines for Enhanced Office Safety



 **HuFriedyGroup**
The Best In Practice

Instrument reprocessing is a key part of any office infection control program and must be performed properly to protect the safety of your patients. Monitoring your sterilization procedures ensures that your instruments have been properly processed.



STERILIZER MONITORING

The CDC recommends conducting biological monitoring of your sterilizer at least weekly.¹ In addition, use a biological indicator for every sterilizer load that contains an implantable device.

Biological indicators are the gold standard of sterilization monitoring because they directly determine whether microorganisms are destroyed.

Because spores used in BIs are more resistant and present in greater numbers than the common microbial contaminants found on patient-care equipment, a passed BI test, which confirms no spore growth, indicates other potential pathogens in the load have been killed.

Use a biological indicator with a matching control (i.e., biological indicator and control from same lot number). The use of a control ensures the spores are viable and the test is functioning properly.

Either a mail-in or in-office test system can be used.

The spore strips or vials should be placed according to the sterilizer manufacturer's instructions.

Best Practice

Supplement your in-office monitoring with third-party spore strip testing and documentation for an unbiased independent test with record when proof of compliance must be provided. It is an effective way to ensure that your practice's sterility assurance system is beyond question. The combination of weekly in-office BI monitoring, along with weekly or monthly third-party testing, ensures that layers of protection are in place for your practice and patients' safety and peace of mind.

PACKAGING

CDC Guidelines recommend placing an indicator inside each pack to be sterilized.

All items to be sterilized should be packaged using an FDA cleared wrapping or container system that is compatible with the sterilization process used.

Use mechanical, chemical, and biological monitors according to the manufacturer's instructions to ensure the effectiveness of the sterilization process.

Multi-parameter indicators provide more reliable validation that contents of the package/pouch have been exposed to at least two or more of the critical sterilization parameters but does not guarantee sterility of pack/pouch contents.

Place a chemical indicator on the inside of each package. If the internal indicator is not visible from the outside, also place an exterior chemical indicator on the package.

Best Practice

Including a Type 5 integrating indicator provides immediate feedback that all critical variables were met for proper instrument sterilization (time, temperature and saturated steam) allowing safe load release (implants always require a BI test to release them).

Biological Monitoring

Biological indicators are the gold standard of sterilization monitoring because they directly determine whether microorganisms are destroyed by the steam sterilization process. We offer a wide range of biological monitoring products for both in-office and mail-in sterilizer monitoring.

Mail-In

The most comprehensive mail-in service in healthcare committed to protecting your patients, staff and practice. Results available online 24/7 on our secure, confidential website. Immediate test failure notification and complimentary reminder service of missed test date.



ConFirm™ Premium Mail-in Biological Monitoring Service

Includes pre-paid postage. Test strips can not be split between two sterilizers. (Each Packet Contains 2 Test Strips & 1 Control Strip)

6 tests	CST060
12 tests	CST120
48 tests	CST480

ConFirm™ Value Mail-in Biological Monitoring Service

Does not include postage. (Each Packet Contains 1 Test Strip & 1 Control Strip)

12 tests	CVT120
52 tests	CVT520

- Third-party documentation of test results provides a tangible record when proof of testing must be provided.
- Immediate test failure notification by email with a follow-up consultative call the next business day from a clinical advisor.
- Highly resistant dual-species bacterial spores provide the most reliable method of testing for an effective sterilization cycle.
- Compatible with dry heat, chemical, EtO and steam sterilizers.
- Test results in as little as 24 hours for steam, 72 hours for chemical, 7 days for dry heat and EtO upon receipt of spore strips in our laboratory.
- Check results online 24 hours a day on our secure, confidential website.
- Complimentary reminder service provides either a fax or email alert notification of a missed test date.
- One of the most cost-effective methods of biological monitoring.

In-Office

Simply process a test indicator vial in a normal steam sterilization cycle, remove, crush ampoule and place in incubator along with an unprocessed and crushed control vial for the required incubation period. If a sterilizer is functioning properly, media in test vial will stay purple signifying a passed test and will turn yellow if any spores remain alive, indicating a failed test. Growth of surviving spores has been observed in as little as 2.5 hours.



ConForm™ 10 Biological Monitoring System

In-office biological monitoring system that provides final results in 10 hours. ISO 11138-1 and ISO 11138-3 Compliant

ConForm™ 10 Steam Biological Indicators **C10BI25**
25 per box

Digital Incubator **C10SK**
Includes built-in vial crusher and record keeper booklet

Record Keeper Booklet **CRK02**

Ampule Crusher/Activator **VC-001**



ConForm™ 24 Biological Monitoring System

In-office biological monitoring system that provides final results in 24 hours. ISO 11138-1 and ISO 11138-3 Compliant

Steam System Starter Kit **CBMS10**
Includes 5 Biological Indicators, Incubator, and Record Keeper

ConForm™ 24 Steam Biological Indicators **CSBI25**
25 per box

Record Keeper Booklet **CRK02**

Ampule Crusher/Activator **VC-001**



SporeCheck™ 24 Steam System

In-office biological monitoring system that provides final results in 24 hours. ISO 11138-1 and ISO 11138-3 Compliant

Starter Kit **IMS-1376**
Includes 25 Indicators, Dry Block Incubator and Record Notebook

Indicator Vials **IMS-1373**
25 per box

Indicator Vials **IMS-1373H**
100 per box

SporeCheck™ 55-60 Dry Block Incubator **IMS-1374**
Includes built-in vial crusher

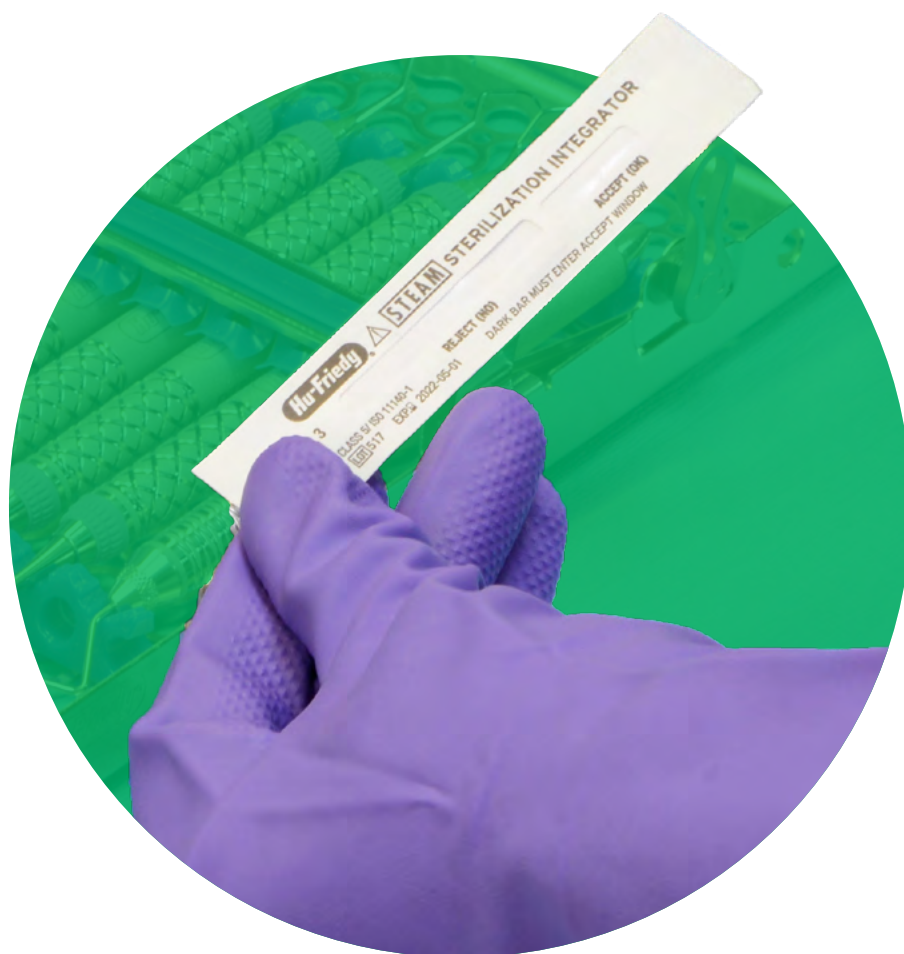
Sterilizer Record Notebook **IMS-1375**

Ampule Crusher/Activator **IMS-1377**

Chemical Monitoring

Chemical indicators are used to monitor the sterilization process by changing color or form with exposure to one or more physical conditions of the sterilization process. We offer a range of chemical indicators, from single variable process indicators to more advanced integrating indicators which react to all critical variables.

Multi-Parameter & Integrating Indicators



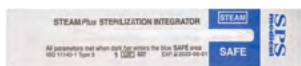
Type 5 IMS Steam Sterilization Integrators

4" x 0.75" (101.6 mm x 19.5 mm)

100 per pack

IMS-1241

- Type 5, multi-variable sterilization monitor designed to react to all critical variables in the sterilization cycle: time, temperature and presence of steam.
- Utilizes a moving front indicator technology, which is an advancing color bar moving from reject to accept, eliminating the need to interpret or match colors.



Type 5 STEAMPlus™ Integrators

4" x 0.75" (101.6 mm x 19.5 mm)

100 per pack

SSI-100

1000 per pack

SSI-1000

- Type 5, multi-variable sterilization monitor designed to react to all critical variables in the sterilization cycle: time, temperature and presence of steam.
- Utilizes a moving front indicator technology, which is an advancing color bar moving from reject to accept, eliminating the need to interpret or match colors.



STEAMPlus™ Sterilizer Test Pack

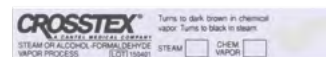
Contains a Type 5 STEAMPlus™ Sterilization Integrator inside a challenge pack.

6.5" x 4.75" (165.1 mm x 120.65 mm)

25 per box

STP-025

- Features the SteamPlus™ Type 5 Integrator placed inside of a single use process challenge device test pack.
- Reacts to all three critical process variables; time, temperature and presence of saturated steam.
- FDA cleared as equivalent in performance to an AAMI BI Test Pack (PCD). ISO 11140-1 Type 5 Compliant



Steam Indicator Strips

3.75" x 6.25" (95.25 mm x 158.75 mm)

100 per pack

SCK

- For use to monitor gravity and prevacuum steam sterilization cycles 121-135C (250-275F). Multi-parameter – indicates if all conditions for steam sterilization have been met, during steam sterilization the check mark turns from white to black

Process Indicators

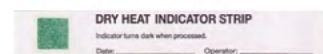


IMS™ Steam Sterilization Indicators

250 per box

IMS-1240

- Indicator strips verify that steam sterilization parameters of time and temperature have been met.
- Use one in each cassette or pouch sterilized and retain for office records.
- For use in steam sterilizers 250°F–285°F (121°C–141°C).
- ISO 11140-1 Type 1 Compliant



Dry Heat Chemical Indicator Strips

4" (101.6 mm)

100 per pack

DIS-100

- Process indicator or use in dry heat sterilizers.
- Provides a distinct color change from green to dark when processed.
- Writable strip for record keeping.
- ISO 11140-1 Type 1 Compliant

Bowie Dick Test Pack



Type 2 AirView™ II Bowie-Dick Test Pack

5" x 3.75" (127 cm x 95.25 cm)

30 per box

MBDO30

- Detects the presence of air in pre-vacuum (type B) steam sterilizers.
- Easy-to-read test sheet clearly identifies failures and can be filed for record keeping.
- Lead-free ink reduces amount of hazardous waste and can be disposed in regular trash.
- Compact size reduces waste and storage
- ISO 11140-1 Type 2 Compliant

Packaging

Packaging is a key step when reprocessing instruments to ensure that they are sterilized and stored properly. We provide an assortment of sterilization wraps, pouches, tape, and containers to meet the needs of your facility.

Wrap

Sterilization wraps are used to wrap instrument sets and cassettes for sterilization. Wraps allow the penetration of steam to sterilize the contents and maintain sterility of the processed item after sterilization. We offer a number of wrap options to meet your needs.



Bonded Double Sterilization Wrap

15" X 15" (380 mm x 380 mm), 480 sheets **IMS-2215**

20" X 20" (508 mm x 508 mm), 480 sheets **IMS-2220**

24" X 24" (610 mm x 610 mm), 240 sheets **IMS-2224**

- Bonded Double Wrap is made from two sheets of SMS polypropylene material that are bonded together, allowing dental practitioners to be in compliance with the most stringent sterilization standards for healthcare settings.
- Two different color sheets aids in identifying breaches in the packaging post sterilization and allows differentiation of packages by color, enhancing safety while providing organizational efficiencies.



Autoclave Sterilization Wrap

12" X 12" (305 mm x 305 mm), 1000 sheets	IMS-1213
12" X 12" (305 mm x 305 mm), 100 sheets	IMS-1213H
15" X 15" (380 mm x 380 mm), 1000 sheets	IMS-1211
15" X 15" (380 mm x 380 mm), 100 sheets	IMS-1211H
20" X 20" (508 mm x 508 mm), 500 sheets	IMS-1212
20" X 20" (508 mm x 508 mm), 100 sheets	IMS-1212H
24" X 24" (610 mm x 610 mm), 500 sheets	IMS-1210
24" X 24" (610 mm x 610 mm), 100 sheets	IMS-1210H

- Engineered to withstand the harsh conditions of steam sterilization, Autoclave Wrap offers the best combination of softness and added strength.
- Low linting helps minimize potential sterilizer malfunction.
- Memory free wrap lays flat once opened post sterilization.

Universal Sterilization Wrap

12" X 12" (305 mm x 305 mm), 1000 sheets	IMS-1217
12" X 12" (305 mm x 305 mm), 100 sheets	IMS-1217H
15" X 15" (380 mm x 380 mm), 1000 sheets	IMS-1215
15" X 15" (380 mm x 380 mm), 100 sheets	IMS-1215H
20" X 20" (508 mm x 508 mm), 500 sheets	IMS-1216
20" X 20" (508 mm x 508 mm), 100 sheets	IMS-1216H
24" X 24" (610 mm x 610 mm), 500 sheets	IMS-1214
24" X 24" (610 mm x 610 mm), 100 sheets	IMS-1214H

- Our unique compilation of textiles is designed to be strong and soft for durability and easy wrapping. Universal Wrap provides great performance at a lower cost.

Crosstex™ CSR Sterilization Wrap

12" x 12" (300 mm x 300 mm), 1000 sheets	SW12
15" x 15" (380 mm x 380 mm), 500 sheets	SW15
18" x 18" (460 mm x 460 mm), 500 sheets	SW18
20" x 20" (510 mm x 510 mm), 500 sheets	SW20
24" x 24" (610 mm x 610 mm), 500 sheets	SW24
30" x 30" (760 mm x 760 mm), 250 sheets	SW30
36" x 36" (910 mm x 910 mm), 250 sheets	SW36
40" x 40" (1020 mm x 1020 mm), 250 sheets	SW40
45" x 45" (1140 mm x 1140 mm), 250 sheets	SW45
48" x 48" (1220 mm x 1220 mm), 100 sheets	SW48
54" x 54" (137 mm x 137 mm), 100 sheets	SW54

- Manufactured from environmentally-friendly cellulose material made from wood pulp, not petroleum, eliminates skin sensitivity issues associated with oily residues inherent in plastic based wrappers.
- Bacterial barrier to both airborne and waterborne contamination.

Tape

Process indicator tape is intended to hold sterilization packs together and distinguish between processed and unprocessed packs.



- Made with adhesive and ink that is free of natural rubber latex, lead, or solvents
- Safer for patients, staff, and the environment
- Validated for use with all common dynamic air removal (pre-vacuum/SFPP) and gravity steam sterilization cycles.

Lead Free Blank Indicator Tape

.75" x 60 yds
(18 mm x 55 m) **IMS-1461**

1" x 60 yds
(24 mm x 55 m) **STLF24MM**

.75" x 60 yds
(18 mm x 55 m) **STLF18MM**



Pre-printed indicator tape with specific procedural set-ups or colors to help organize and identify pack contents.

Pre-Printed Indicator Tape

.75" x 60 yds (18 mm x 55m)

Procedure

Cement	IMS-1253
Composite	IMS-1254
Endo	IMS-1255
Exam	IMS-1256
Extraction	IMS-1257
Perio	IMS-1258
Prophy	IMS-1259
Pedo	IMS-1260
Orthodontic	IMS-1243
Restorative	IMS-1247
Surgery	IMS-1248
Amalgam	IMS-1251
C and B	IMS-1252

Pre-Printed Indicator Tape

.75" x 60 yds (18 mm x 55m)

Color

Gray	IMS-1262
Orange	IMS-1263
Purple	IMS-1264
Yellow	IMS-1265
Red	IMS-1266
Green	IMS-1267
Blue	IMS-1268
Black	IMS-1269

Tape Dispensers

Tape dispensers hold nine or four rolls of indicator tape. Rubber suction cups on the base secure dispenser to table or counter. Dispenser can also be mounted under cabinet.



IMS™ Tape Dispenser

10.75" x 6.25" x 7.6" (273 mm x 15 mm x 194 mm)

Holds 9 rolls

IMS-1270



IMS™ Mini Tape Dispenser

4.4" x 6.25" x 7.6" (111 mm x 15 mm x 194 mm)

Holds 4 rolls

IMS-1270H

Sterilization Containers

Sterilization Containers are uniquely sized to fit many Hu-Friedy cassettes, including the Container Cassette that features an integrated handle for easy insertion and removal. Available in four sizes to hold a variety of contents. Suitable for use in pre-vacuum steam sterilizers.



Sterilization Container

Holds 1 Container Cassette

12.25" x 7.5" x 2"
(312 mm x 190 mm
x 50 mm) **IMDINCO0M**

12.25" x 7.5" x 2.5"
(312 mm x 190 mm
x 65 mm) **IMDINCO1M**

Holds 2 Container Cassette

12.25" x 7.5" x 4"
(312 mm x 190 mm
x 100 mm) **IMDINCO2M**

Holds 3 Container Cassette

12.25" x 7.5" x 5.33"
(312 mm x 190 mm
x 135 mm) **IMDINCO3M**

Container Cassette for 12 Instruments

Blue

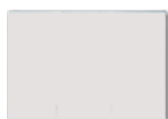
10.5" x 7" x 1.33"
(268 mm x 176 mm
x 34 mm) **IMECC128**

Labeling & Accessories

Proper labeling of instrument packs is critical for tracking and storage post sterilization. We offer a labeling system that is easy to use on pouches and wrapped cassettes. The CDC recommends that instrument pack labeling include the sterilization date, sterilizer number (if using more than one sterilizer) and cycle or load number.



Contact Label Applicator
SDG-001



Universal Contact Label
800 labels per roll | 10 rolls per case
Blank
UCL-010
Red
UCL-010-R



Ink Roller Cartridge
IRC-001

Pouches

Sterilization Pouches are used to package instruments for sterilization. Containing internal and external chemical indicators, they allow sterilization of the enclosed instrumentation and maintain sterility post sterilization, while providing aseptic delivery. Sterilization pouches are designed to contain a single instrument, multiple instruments or instrument cassettes depending upon the pouch size.



- Built-in, multi-parameter internal/external process indicators that change color when all three criteria for sterilization have been met – time, temperature and pressure (steam).
- Manufactured from medical grade paper with extra-wide chevron to protect against instrument breaching.
- Thumb-notch for easy opening.
- Six corner tack seals to prevent curling and other potential contaminants from entering pouch upon opening.
- Perforated fold to help ensure the adhesive strip forms an airtight seal.
- For use with steam and EtO sterilization processes only.
- Available in 14 sizes.
- Not made with natural rubber latex.

Sure-Check™ Self-Seal Sterilization Pouches

2.25" x 4" (60 mm x 100 mm), 200 per box	SCXX2
2.75" x 9" (70 mm x 230 mm), 200 per box	SCX2
3.5" x 5.25" (90 mm x 130 mm), 200 per box	SCXS2
3.5" x 9" (90 mm x 230 mm), 200 per box	SCS2
3.5" x 9" (90 mm x 230 mm), 500 per box	SCS25
3.5" x 22" (90 mm x 560 mm), 100 per box	SCL3222
5.25" x 6.5" (130 mm x 170 mm), 200 per box	SCW2
5.25" x 10" (130 mm x 250 mm), 200 per box	SCM2
5.25" x 15" (130 mm x 380 mm), 200 per box	SCL5152
7.5" x 13" (190 mm x 330 mm), 200 per box	SCL2
8" x 16" (200 mm x 410 mm), 200 per box	SCL8162
10" x 15" (250 mm x 380 mm), 100 per box	SCL10152
10.5" x 17" (270 mm x 430 mm), 100 per box	SCL10172
12" x 15" (300 mm x 380 mm), 100 per box	SCL12152
12" x 18" (300 mm x 460 mm), 100 per box	SCL12182



- Built-in internal/external process indicators that change color when exposed to a specific temperature.
- Manufactured from medical grade paper with extra-wide chevron to protect against instrument breaching, thumb-notch for easy opening.
- 6 corner tack seals to prevent curling and other potential contaminants from entering pouch upon opening and a perforated fold to help ensure the adhesive strip forms an airtight seal.
- Once sterilized, contents will remain sterile for up to 3 years provided the integrity of the pouch has not been compromised.
- For use with steam and EtO sterilization processes only.
- Available in 15 sizes.
- Not made with natural rubber latex.



- Process indicators located both internal and external to the instrument/cassette area respond to all sterilization variables: time, temperature and saturated steam.
- Thick, strong seals protect against cassette and instrument breaches.
- Medical grade paper provides strength and durability. Multi-layer blue film allows user to easily see any tears in film.
- Thumb notch allows for easy opening of the pouch.
- Wide self-seal adhesive strip easily and securely seals pouch to provide reliable seal.
- Not made with lead or natural rubber latex.
- See website for complete list of Bagette Cassette compatibility.

Duo-Check™ Self-Seal Sterilization Pouches

2" x 8" (50 mm x 200 mm), 200 per box	SCZ
2.25" x 4" (60 mm x 100 mm), 200 per box	SCXX
2.75" x 9" (70 mm x 230 mm), 200 per box	SCX
3.25" x 9" (80 mm x 230 mm), 200 per box	SCQ
3.5" x 5.25" (90 mm x 130 mm), 200 per box	SCXS
3.5" x 9" (90 mm x 230 mm), 200 per box	SCS
3.5" x 9" (90 mm x 230 mm), 500 per box	SCS5
3.5" x 22" (90 mm x 560 mm), 100 per box	SCL322
4.25" x 11" (110 mm x 280 mm), 200 per box	SCB1X
5.25" x 10" (130 mm x 250 mm), 200 per box	SCM
5.25" x 15" (130 mm x 380 mm), 200 per box	SCL515
7.5" x 13" (190 mm x 330 mm), 200 per box	SCL
8" x 16" (200 mm x 410 mm), 200 per box	SCL816
10" x 15" (250 mm x 380 mm), 100 per box	SCL1015
12" x 15" (300 mm x 380 mm), 100 per box	SCL1215
12" x 18" (300 mm x 460 mm), 100 per box	SCL1218

Bagette™ Self-Sealing Sterilization Pouches

2.25" x 4" (57 mm x 102 mm), 200 per box	IMS-1346
2.75" x 9" (70 mm x 229 mm), 200 per box	IMS-1347
3.5" x 9" (89 mm x 229 mm), 200 per box	IMS-1236
5.25" x 10" (133 mm x 254 mm), 200 per box	IMS-1348
7.5" x 13" (190 mm x 330 mm), 100 per box	IMS-1237
10" x 14" (254 mm x 356 mm), 100 per box	IMS-1238
12" x 17" (305 mm x 432 mm), 100 per box	IMS-1239
13" x 20" (330 mm x 508 mm), 100 per box	IMS-1345



- Feature built-in adhesive tape which eliminates the need for a heat sealer or indicator tape.
- Each pouch is notched for ease of opening after processing, and complimentary external chemical indicator labels are included with every box.



- Stainless steel dividers for placement of pouches in sterilizer.
- Ensures proper loading and sterilization of contents.



- Manufactured from clear, puncture-resistant 1.5" mil nylon.
- For use in steam and dry heat sterilization processes only.



- Double-fold seal with pull-off adhesive tab.
- Gusset feature provides 50% more space.
- Contains color process indicators for steam sterilization.

Nylon Self-Seal Pouch 100 per box	
2"x 10" (51 mm x 254 mm)	NSP-400
3"x 10" (76 mm x 254 mm)	NSP-405
4"x 10" (102 mm x 254 mm)	NSP-410
7"x 10.5" (178 mm x 267 mm)	NSP-420
9.5"x13 (241mm x 330 mm)	NSP-430

Steri-Coil™ Pouch Divider	
3.5" x 3.5" x 20" (89 mm x 89 mm x 508 mm)	SCD-001
2.5" x 6" (64 mm x 152 mm)	SCD-012

Sani-Tube™ Nylon Sterilization Tubing with Indicators 100 foot (30 m) roll	
2" x 100 ft (50 mm x 30 m)	SI2
3" x 100 ft (80 mm x 30 m)	SI3
4" x 100 ft (100 mm x 30 m)	SI4
6" x 100 ft (150 mm x 30 m)	SI6

Sani-Tube™ Nylon Sterilization Tubing 100 foot (30 m) roll	
2" x 100 ft (50 mm x 30 m)	SN2
3" x 100 ft (80 mm x 30 m)	SN3
4" x 100 ft (100 mm x 30 m)	SN4
6" x 100 ft (150 mm x 30 m)	SN6

Self-Sealing Paper Autoclave Bags 1000 per carton	
2.5" x 10.5" x 1.5" Gusset (64 mm x 267 mm x 38 mm Gusset)	OC
2.5" x 8.75" x 1.5" Gusset (64 mm x 222 mm x 38 mm Gusset)	OCS



“Small violations can have
big consequences.
What could I be missing?”

STAYING COMPLIANT IS MORE CRITICAL THAN EVER.

Managing infection prevention standards and guidelines is no easy task. The number of standards and guidelines outlined by organizations like the CDC, state dental boards and OSHA can be overwhelming, and everyone is held to a high level of accountability. To have an effective infection prevention program, staff members must be thoroughly trained and committed to following the right steps every time. Because there is no “good enough” — only compliant or noncompliant.

Change the way you look at infection prevention with the GreenLight Dental Compliance Center by Hu-Friedy. This exclusive, one-of-a-kind resource keeps all of your infection prevention guidelines and regulations conveniently housed in one portal. With GreenLight, you can easily assess, improve, and maintain compliance.



Get started on the path to increased compliance
by visiting **GreenLightComplianceCenter.com**



GREENLIGHT
DENTAL COMPLIANCE CENTER™
by Hu-Friedy

The Best In Practice

Visit us at **HuFriedyGroup.com**

1) Guidelines for Infection Control in Dental Health-Care Settings — 2003 <https://www.cdc.gov/mmwr/PDF/rr/rr5217.pdf>

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