



Instrument Care and Handling





Everybody Cares About Instrument Care

Surgeons, O.R. staff and C.S. workers agree that proper instrument care makes sense. Besides prolonging the life of a costly investment, regular maintenance results in instruments that perform better and pose less of a safety risk to staff and patients alike.

Medline Makes it Easy

Here you'll find the right products for every stage of instrument care. Our hard-working line-up of cleaners and lubricants will keep your instruments in top condition while improving your processing efficiency. Medline also has a full service instrument repair program and a detergent hotline.

Call our hotline at 888-562-8943

for all your instrument care and detergent questions.

Medline Super Concentrates

Save time, space and labor by switching from your current 15 or 30 gallon drum to our Super Concentrate line. These products have been specially formulated so dilution rates can be reduced to save processing costs and still provide excellent cleaning results. Its simple, just reduce the dilution rate in your washer pump system by 2/3 and connect the 2.5 gallon container to your current hook up system. No additional plumbing or equipment is needed.

Item No	Description	Pkg.
MDS88EZ25CM	Single Enzymatic Detergent	2/cs
MDS88LFD25CM	Low Foam Detergent	2/cs
MDS88AW25CM	Alkaline Detergent	2/cs
MDS88IL25CM	Instrument Lubricant	2/cs

*All Super concentrates come in 2.5 gallon bottles.



Pre-Soaking

Performed immediately following a procedure, enzymatic pre-soaking makes later processing easier by helping to prevent blood and other matter from drying on instruments. Pre-soaking prolongs instrument life and helps reduce the risk of cross-contamination.

Medline Enzymatic Detergent & Pre-Soak

Used to pre-soak instruments immediately after a procedure. Medline's bacteriostatic detergents are safe for delicate fiber-optic equipment including endoscopes and cystoscopes. Liquid solutions disperse instantly and completely without mixing. Available in dual enzyme and single enzyme formulas.

Dual-Enzymatic Detergent & Pre-Soak

For best results, use this highly effective, dual enzyme formula. Disintegrates protein deposits, starch and carbohydrates even in hard-to-reach areas.

Item No.	Description	Pkg.
MDS88000B9	1-Gallon Bottle	4/cs
MDS8800B95	5-Gallon Drum	Each
MDS8800B15	15-Gallon Drum	Each

Single Enzymatic Detergent & Pre-Soak (not shown)

This economical, single enzyme formula removes protein only.

Item No.	Description	Pkg.
MDS88000B91	1-Gallon Bottle	4/cs
MDS88B9105	5-Gallon Drum	Each
MDS88B9115	15-Gallon Drum	Each

Medline BIO-ZOLVE, Pre-Soak Spray

Used to pre-soak instruments immediately after the procedure or prior to processing them. BIO-ZOLVE is a specially formulated pre-soak spray and cleaner designed to remove blood, fat, tissue and body fluids safely from surgical instruments and apparatus. The wetting agents in BIO-ZOLVE will keep instruments moist for hours allowing for safer and easier processing. It is a neutral pH product and contains an anti-corrosion system, making it completely safe for all metals and scopes.

Item No.	Description	Pkg.
MDS8800BIO1	32-oz Spray Bottle	12/cs



MDS88000B9



MDS88B9T24/MDS88B9T652

Medline Enzymatic Tablets

Offered as an alternative to the liquid solutions, these enzymatic tablets create a ready-to-use solution when dropped into water.

Item No.	Description	Pkg.
MDS88B9T24	Box of 52 Tablets	24 Bx/cs
MDS88B9T652	Box of 52 Tablets	6 Bx/cs

Note: Medline Dual Enzymatic and Single Enzymatic can also be used as detergents for machine cleaning. See page 4.

Chemical Disinfection

For the safety and protection of health care workers, instruments should be disinfected before handling.

Meritz® Plus Disinfectant/Decontaminant

Use as a general disinfectant for equipment, beds, etc. or an immersion soak for instruments prior to handling and further processing. With no phenol, Meritz Plus is safe for all areas of the hospital, including Labor & Delivery and nurseries. This allows standardization of disinfectant products within your facility. No mixing, measuring or rinsing needed. Bactericidal, fungicidal, virucidal (including HIV-1) and tuberculocidal.

Item No.	Description	Pkg.
MDS8840032	32-oz Spray	12/cs
MDS8840128	1-Gallon Bottle	4/cs



MDS8840032/MDS8840128

Sporox® Sterilizing & Disinfecting Solution

Sporox is a solution which is recommended for the sterilization and/or high-level disinfection of heat-sensitive medical equipment and surgical instruments. It is a ready-to-use liquid that is an alternative to glutaraldehyde solutions on the market.

Item No.	Description	Pkg.
MDS8800SPX	1-Gallon Bottle	4/cs
SLC75195KT	Sporox® Test Vial Kit	1ea/Kt



MDS8800SPX

Machine Cleaning

Performed in an automatic washer or ultrasonic machine. If instruments have been pre-cleaned, a low-sudsing detergent is recommended. If instruments have not been pre-cleaned, an enzymatic detergent is recommended.

Medline Low-Suds Liquid Detergent

Recommended for use in automatic washers and ultrasonic machines when instruments have been pre-cleaned. Hemolytic detergent removes blood and soil, then rinses spot-free, leaving no residue. Contains lubricating agents and rust inhibitors to help prolong instrument life. Biodegradable formula is highly concentrated for low cost per use. Neutral pH is gentle on hands and instruments.

Item No.	Description	Pkg.
MDS88000B1	1-Gallon Bottle	4/cs
MDS88000B6	5-Gallon Drum	Each
MDS88000B7	15-Gallon Drum	Each

Medline Alka-Wash

Recommended for use in automatic washers, ultrasonic machines and manual cleaning. The Alka-Wash detergent is a low sudsing; moderate PH detergent effectively removes blood & tissue from surgical instruments, glassware, rubber, metal & plastic.

Item No.	Description	Pkg.
MDS88000AW5	5-Gallon Drum	Each
MDS88000AW15	15-Gallon Drum	Each

Medline Enzymatic Detergent & Pre-Soak

Recommended for use in automatic washers or ultrasonic machines when instruments have not been precleaned. Available in dual enzyme and single enzyme formulas.

Dual-Enzymatic Detergent & Pre-Soak

For best results, use this highly effective, dual enzyme formula. Disintegrates protein deposits, starch and carbohydrates even in hard-to-reach areas.

Item No.	Description	Pkg.
MDS88000B9	1-Gallon Bottle	4/cs
MDS88000B95	5-Gallon Drum	Each
MDS88000B15	15-Gallon Drum	Each

Single Enzymatic Detergent & Pre-Soak

This economical, single enzyme formula removes protein only.

Item No.	Description	Pkg.
MDS88000B91	1-Gallon Bottle	4/cs
MDS88B9105	5-Gallon Drum	Each
MDS88B9115	15-Gallon Drum	Each



MDS88000B1



MDS88000B9



Manual Cleaning

Recommended for very delicate instruments or when an automatic washer or ultrasonic machine is not available.

Medline High-Suds Liquid Detergent

Use this high-sudsing detergent for manual instrument cleaning. Hemolytic detergent removes blood and soil, then rinses spot-free, leaving no residue. Contains a rust inhibitor to help prolong instrument life. Biodegradable and highly concentrated with a neutral pH. Not for use in automatic washers.

Item No.	Description	Pkg.
MDS88000B2	1-Gallon Bottle	4/cs
MDS88000B3	5-Gallon Drum	Each

Instrument Cleaning Brushes

Use during manual instrument cleaning to gently but effectively remove debris from hard-to-reach areas.

Item No.	Description	Pkg.
MDS88BRUSH	7" Brush/Nylon Bristles	3/Pkg
MDS88BRUSHSS	7" Brush/Stainless Steel Bristles	3/Pkg

Specialty Cleaning Brushes - 2/pkg

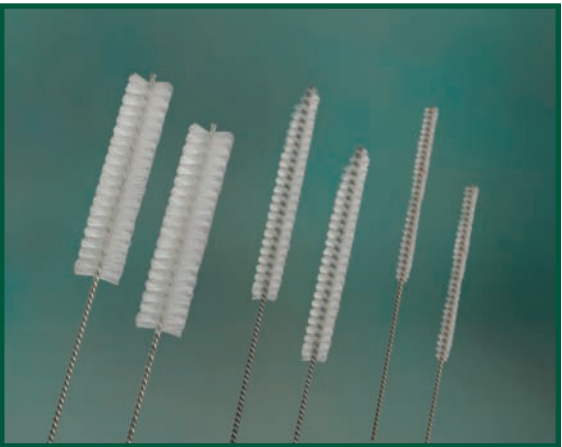
Item No.	Brush Diameter	Length of Bristle Area	End to End Length
MDSBR3050	.062	1/2"	6"
MDSBR3100	.062	1/2"	18"
MDSBR3110	.070	1/2"	18"
MDSBR3125	.070	1/2"	24"
MDSBR3113	.079	1/2"	6"
MDSBR3114	.079	3/4"	12"
MDSBR3115	.080	1"	24"
MDSBR3120	.087	1/2"	18"
MDSBR3130	.105	1"	18"
MDSBR3137	.118	2 3/4"	12"
MDSBR3140	.125	2"	18"
MDSBR3142	.144	3/4"	8"
MDSBR3143	.158	3/4"	8"
MDSBR3144	.197	3"	16"
MDSBR3145	.200	2"	24"
MDSBR3150	.250	2"	18"
MDSBR3153	.276	3"	16"
MDSBR3155	.312	3"	24"
MDSBR3170	.375	1 1/2"	6"
MDSBR3173	.393	3"	16"
MDSBR3175	.440	3"	24"
MDSBR3160	.880	3 1/2"	18"
MDSBR3165	.880	4 1/4"	24"
MDSBR2300	.438	2"	6"



MDS88000B2



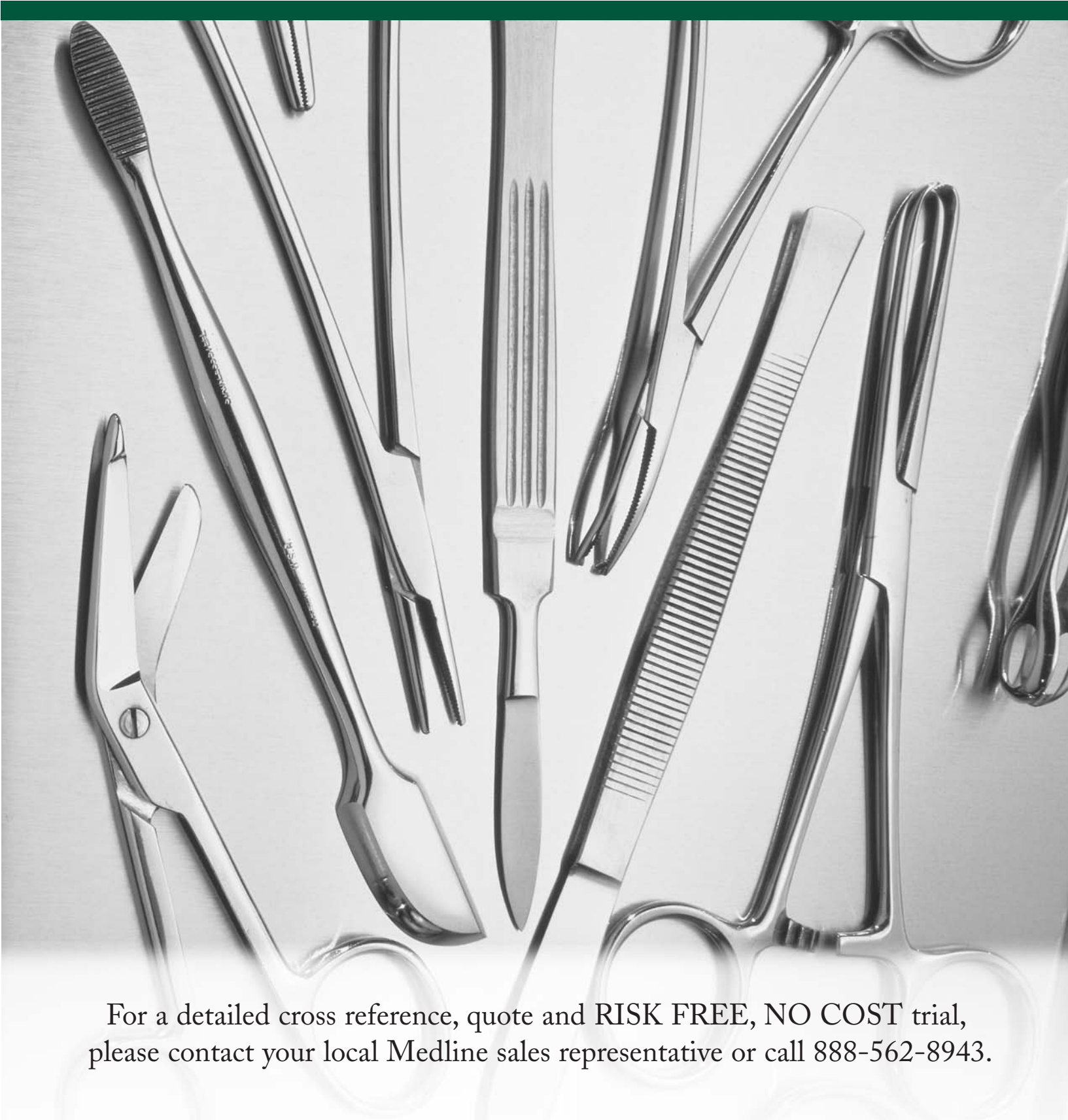
MDS88BRUSH



MDSBR Items

Complimentary Instrument Cleaning Wall Chart

Tear out and hang in your Central Sterile Department as a reference for your staff.



For a detailed cross reference, quote and RISK FREE, NO COST trial, please contact your local Medline sales representative or call 888-562-8943.



Instrument Cleaning Wall Chart

PLEASE USE THESE GUIDELINES FOR THE CLEANING AND DISINFECTING OF: SURGICAL INSTRUMENTS, DELICATE INSTRUMENTS, GLASSWARE, RUBBER, SCOPES

PROCEDURE	DIRECTIONS	PRODUCT
PRESOAKING	After use, place instruments in a presoak basin or sink to remove gross debris.	Dual Enzymatic Detergent Item No. MDS88000B9 (1oz. to one gallon water) Bio-Zolve Instrument Spray Item No. MDS8800BIO1 (No dilution needed/spray)
RINSE	Rinse in sink to remove gross debris.	Tap water
MANUAL WASH	Delicate instruments and scopes.	Single or Dual Enzymatic Detergent (1oz. to 1 gallon of water) Item No. Single Enzymatic MDS88000B91 Dual Enzymatic MDS88000B9 Low or High Suds Detergent (1oz. to 1 gallon of water) Item No. Low Suds MDS88000B1 High Suds MDS88000B2
ULTRASONIC	Efficient cleaning via “Cavitation Process”	Single Enzymatic Detergent Item No. MDS88000B91 (1 oz. to one gallon water)
AUTOMATIC WASHER	Impingement process uses water pressure to remove soils. Depending on the type of washer and its set-up, you may use all of the recommended products, or only one or two items	Single or Dual Enzymatic Detergent (½oz. to 1oz. per gallon of water) Item No. MDS88000B91 and MDS88000B9 <i>Single Enzymatic is also available in Super Concentrate Formula – MDS88EZ25CM</i> Alka-Wash Detergent or Low Suds Detergent (½oz. to 1oz. per gallon of water) Item No. MDS88000AW15 and MDS8800B7 <i>Also available in Super Concentrate Formula – MDS88AW25CM and MDS88LFD25CM</i> Instrument Lubricant (½oz. to 1oz. per gallon of water) Item No. MDS8800T215 <i>Also available in Super Concentrate Formula – MDS88IL25CM</i>
MANUAL LUBRICATION	Prior to autoclaving, immerse metal instruments into bacteriostatic lubricant for 30 to 45 seconds. This will protect the instrument’s passivation LAYER. Air dry instruments and autoclave.	Instrument Lubricant Item No. MDS88000T2 (1 part lubricant to 6 parts sterile water)
DISINFECTING	Enviromental surfaces such as exam tables, counter tops and floors should be sprayed with a disinfectant and allowed to remain wet for 6 minutes.	Merit Plus Disinfectant Item No. MDS8840128 (Ready to use)

Note, all products are available in 1 gallon, 5 gallon and 15 gallon drums.

For more information call Medline’s Detergent Hotline at 888-562-8943.

Ask your Medline representative or call 1-800-MEDLINE about our other CS products including:

Steriset® Sterilization Containers

- Completely reusable – don’t require disposable filters and locks/arrows.
- Savings vs. wrap of over 80% and vs. competitive containers of over 50%.

Sterilization Pouches

- Gas/steam indicators pre-printed on the inside of the pouch – eliminates the need for additional indicator strips.
- Saves time in assembly and eliminates the risk of someone forgetting to add the strip.
- Saves 20-30% use.

Sterilization Monitoring Products

- Full line of quality indicators, bowie dick tests and our unique Instant Readout biological test packs.

Surgical Instruments

- Full line of quality, German grade instrumentation and full service on-site repair technicians.



Stain and Adhesive Remover

This step may be necessary to remove stubborn stains. Cleaning must be repeated if Stain Remover is used.

Medline Stain Remover

Removes rust and stains to restore instrument luster; also frees box joints by removing water deposits and detergent residues. Safe for all stainless steel or tungsten carbide instruments.

Item No.	Description	Pkg.
MDS88000T5	1-Gallon Bottle	4/cs

Tape/Adhesive Remover

Quickly removes tape and adhesive from instruments and skin. Non-irritating, environmentally safe and pleasantly scented.

Item No.	Description	Pkg.
MDS88000AR	16 ounce bottle	12/cs



MDS88000T5

Lubrication

Because the cleaning process removes all lubricant, instruments should be lubricated after cleaning and prior to sterilization to ease stiffness and help prevent rust.

Medline Instrument Lubricant

Helps prolong instrument life by preventing rust and corrosion. Non-silicone, patient-safe lubricant keeps box locks working freely and maintains effectiveness of grasping and cutting surfaces. Protects all types of metal instruments, including carbon steel. Will not interfere with steam or gas sterilization. Bacteriostatic.

Item No.	Description	Pkg.
MDS88000T2	1-Gallon Bottle	4/cs
MDS8800T25	5-Gallon Drum	Each
MDS8800T215	15-Gallon Drum	Each
MDS8800T32	32-Ounce Spray	12ea/cs



MDS88000T2



Miscellaneous Cleaning

Recommended products for manual cleaning in ultrasonic machines and with all types of automatic washer's requiring an Alkaline Detergent.

Alkaline Detergent

When used in conjunction with the CA-Rinse, the alkaline detergent is effective in eliminating blood and tissue while protecting the instruments passivation layer.

Item No.	Description	Pkg.
MDS88000K5	5-Gallon Drum	Each
MDS88000K15	15-Gallon Drum	Each

CA- Rinse

Recommended for use with the Alkaline Detergent. The CA-Rinse is a mild acidic solution used for neutralizing alkaline residue.

Item No.	Description	Pkg.
MDS88000CA5	5-Gallon Drum	Each

Cleaning of Case Carts & Large Equipment

These two products are specially designed for use in automatic cart washers

Cart Washer Detergent

Highly concentrated, non-foaming, alkaline cleaner is formulated expressly for heavy-duty cleaning of carts. Works well in automatic cart washers to quickly remove blood and tissue. Contains a rust inhibitor to help prolong the life of carts and equipment, plus a rinsing agent to eliminate residue. Use in conjunction with Rinse Aid. Cart Washer Detergent is Biodegradable.

Item No.	Description	Pkg.
MDS8800C05	5-Gallon Drum	Each
MDS8800C15	15-Gallon Drum	Each

Note: As an alternative to specialized cleaners, Medline Low-Suds Liquid Detergent can also be used in automatic cart washers. See Page 4.

Rinse Aid

Used in conjunction with the Cart Washer Detergent above, this additive conditions hard tap water to eliminate spots and stains. Allows water to sheet off carts and equipment for spot-free drying. The biodegradable formula is effective in all types of water and safe for all equipment. Highly concentrated for low cost per use.

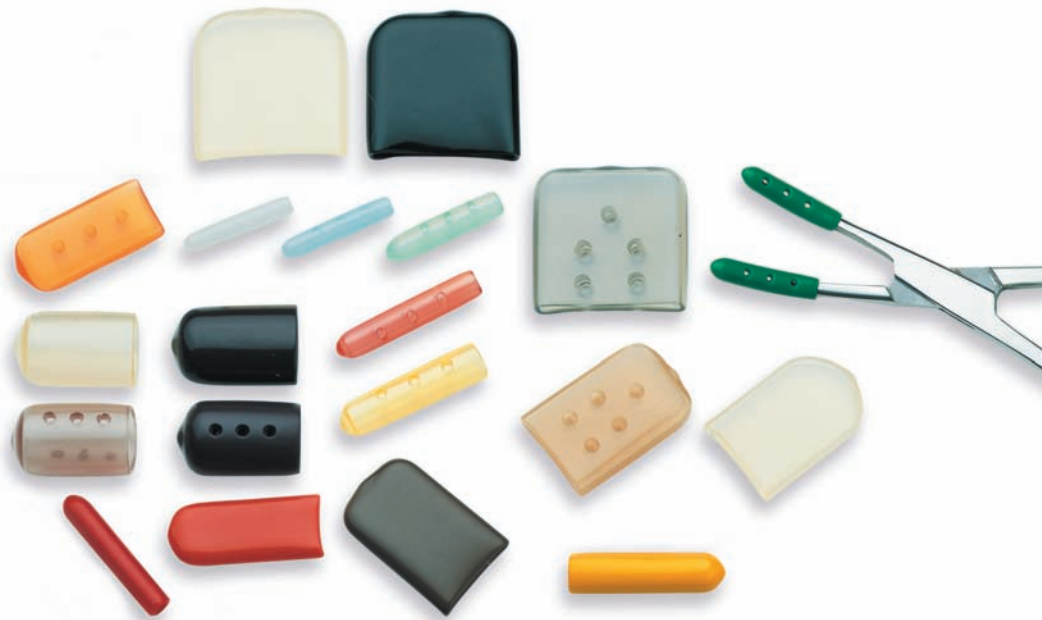
Item No.	Description	Pkg.
MDS88000R1	5-Gallon Drum	Each
MDS8800R15	15-Gallon Drum	Each

Instrument Guards

Medline Instrument Guards provide protection for valuable instruments during sterilization and handling. Instrument tips and edges are particularly vulnerable to breaking and chipping, often rendering the instrument unusable. Varying size and configured guards in three color hues make Medline Instrument Guards the product of choice.

Medline Instrument Guards:

- Help protect instrument tips and edges from damage
- Available in varying sizes, colors and configurations
- Single-use dependability
- Opaque color guards are radiopaque
- For use in steam or gas/EO sterilization
- Non-sterile.



Non-Vented Guards, 100 Per Pkg

Dimensions	Item No.	Radiopaque	Item No.	Color	Item No.	Color
1.6mm x 19.1mm	MDS30101	White	MDS30301	Clear	MDS30201	White Tint
2.0mm x 19.1mm	MDS30102	Blue	MDS30302	Clear	MDS30202	Blue Tint
2.8mm x 19.1mm	MDS30103	Green	MDS30303	Clear	MDS30203	Green Tint
3.2mm x 25.4mm	MDS30104	Red	MDS30304	Clear	MDS30204	Red Tint
4.8mm x 25.4mm	MDS30105	Yellow	MDS30305	Clear	MDS30205	Yellow Tint
10.3mm x 19.1mm	MDS30106	Purple	MDS30306	Clear	MDS30206	Purple Tint
2.0mm x 9.5mm x 25.4mm	MDS30107	Orange	MDS30307	Clear	MDS30207	Orange Tint
2.0mm x 15.9mm x 25.4mm	MDS30108	Brown	MDS30308	Clear	MDS30208	Brown Tint
3.2mm x 25.4mm x 25.4mm	MDS30109	Black	MDS30309	Clear	MDS30209	Black Tint

Vented Guards, 100 Per Pkg

Dimensions	Item No.	Color	Item No.	Color
1.6mm x 19.1mm	MDS30401	Clear	MDS30801	White Tint
2.0mm x 19.1mm	MDS30402	Clear	MDS30802	Blue Tint
2.8mm x 19.1mm	MDS30403	Clear	MDS30803	Green Tint
3.2mm x 25.4mm	MDS30404	Clear	MDS30804	Red Tint
4.8mm x 25.4mm	MDS30405	Clear	MDS30805	Yellow Tint
10.3mm x 19.1mm	MDS30406	Clear	MDS30806	Purple Tint
2.0mm x 9.5mm x 25.4mm	MDS30407	Clear	MDS30807	Orange Tint
2.0mm x 15.9mm x 25.4mm	MDS30408	Clear	MDS30808	Brown Tint
3.2mm x 25.4mm x 25.4mm	MDS30409	Clear	MDS30809	Black Tint



Identification Roll Tape

For Color Coding Instruments — Each Roll is 250" in Length

1/4" Tape (.635 cm)

Item No.	Color
MDST0201	White
MDST0202	Royal Blue
MDST0203	Kelly Green
MDST0204	Red
MDST0205	Yellow
MDST0206	Purple
MDST0207	Orange
MDST0208	Brown
MDST0209	Black

1/8" Tape (.32 cm)

Item No.	Color
MDST0101	White
MDST0102	Royal Blue
MDST0103	Kelly Green
MDST0104	Red
MDST0105	Yellow
MDST0106	Purple
MDST0107	Orange
MDST0108	Brown
MDST0109	Black

1/4" tape (shown actual size)



1/8" tape (shown actual size)



Tape/Adhesive Remover

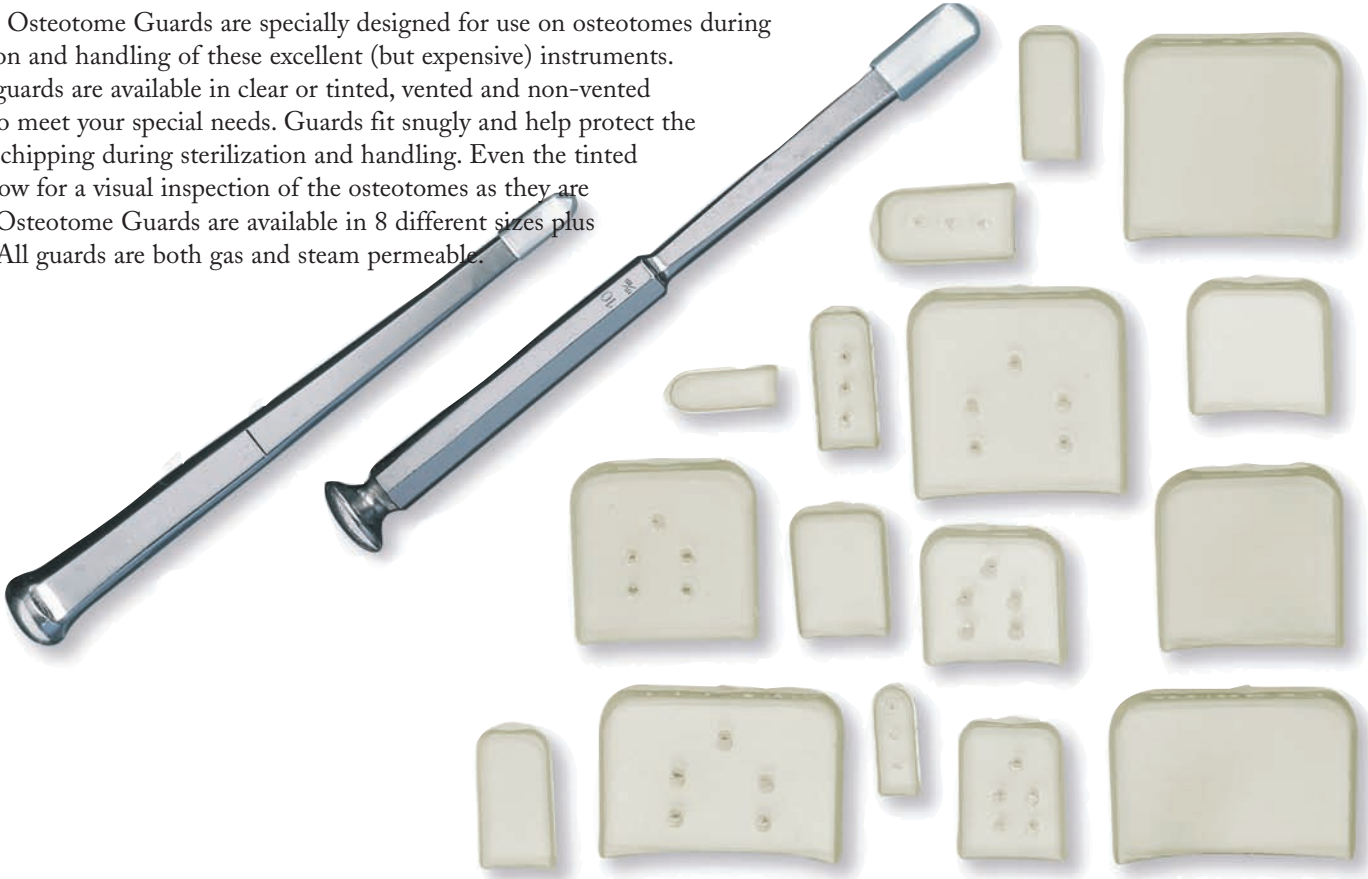
Quickly removes tape and adhesive from instruments and skin.
Non-irritating, environmentally safe and pleasantly scented.

Item No.	Description	Pkg
MDS88000AR	16 ounce bottle	12/cs



Osteotome Guards

Medline's Osteotome Guards are specially designed for use on osteotomes during sterilization and handling of these excellent (but expensive) instruments. Medline guards are available in clear or tinted, vented and non-vented versions to meet your special needs. Guards fit snugly and help protect the tips from chipping during sterilization and handling. Even the tinted guards allow for a visual inspection of the osteotomes as they are handled. Osteotome Guards are available in 8 different sizes plus assorted. All guards are both gas and steam permeable.



Osteotome Guards—Vented, Clear—100 Per Pkg.

Item No.	Size
MDS30411	6.4mm x 19.1mm
MDS30412	9.5mm x 25.4mm
MDS30413	12.7mm x 25.4mm
MDS30415	19.1mm x 25.4mm
MDS30416	25.4mm x 25.4mm
MDS30417	32mm x 32mm
MDS30418	38.1mm x 38.1mm
MDS30419	44.5mm x 31.8mm

Osteotome Guards—Non-Vented, Clear—100 Per Pkg.

Item No.	Size
MDS30311	6.4mm x 19.1mm
MDS30312	9.5mm x 25.4mm
MDS30314	12.7mm x 25.4mm
MDS30315	19.1mm x 25.4mm
MDS30316	25.4mm x 25.4mm



Retractor Guards

Retractor Guards were designed to fit a variety of instruments that previously didn't have guard availability.

Medline Retractor Guards help protect the sharp tips of retractors during storage, handling and sterilization by steam or gas/EO

Item No.	Length	Package
MDS30903	38.1mm	100ea
MDS30904	50.8mm	100ea



Duo Instrument Guards

Duo Instrument Guards are color tinted to allow visual inspection even when the guard is in place. Additionally, each color tint designates a specific size and are both steam and gas permeable.

Medline's uniquely designed Duo Instrument Guards provide protection for your valuable instruments during handling and sterilization, snugly fitting over the tip ends to help prevent damage. The new design holds the instrument firmly so that the jaw, box hinge and ends are "open."

Duo Instrument Guards Tinted—100 per pkg. (vented)

Item No.	Size	Color
MDS30601	1.6mm x 19.1mm	White Tint
MDS30602	2.0mm x 19.1mm	Blue Tint
MDS30603	2.8mm x 19.1mm	Green Tint
MDS30604	3.2mm x 25.4mm	Red Tint
MDS30605	4.8mm x 25.4mm	Yellow Tint
MDS30607	2.0mm x 9.5mm x 25.4mm	Orange Tint



To order go to www.medline.com or call 1-800-MEDLINE

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MKT206164/LIT487/10M/4ZPN