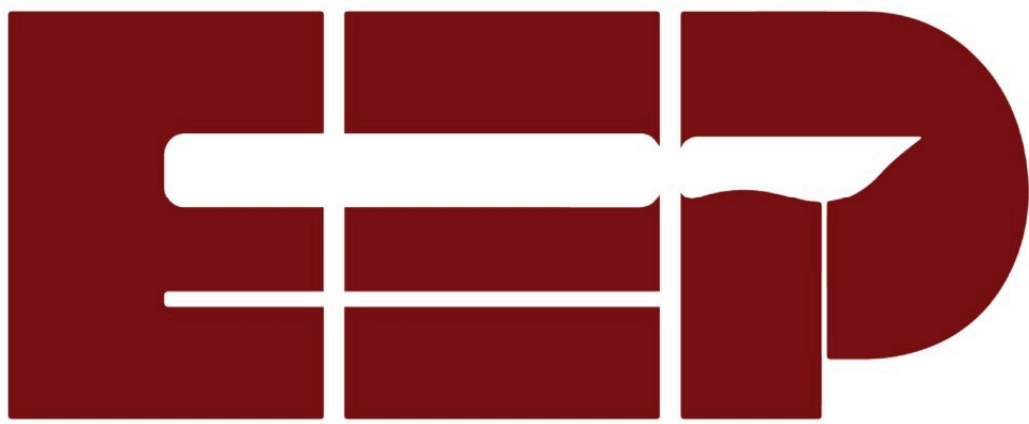
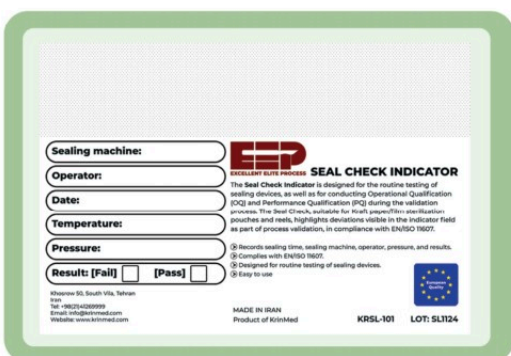




EXCELLENT ELITE PROCESS

SEAL CHECK INDICATOR

Reliable Heat Seal Quality Monitoring



-  Article Number
KRSL-101
-  Packaging:
200 Strips/box
-  Shelf Life
36-months
-  Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Seal Check Indicator is designed for routine monitoring of heat sealing performance on medical paper/plastic sterilization pouches and reels. The indicator provides a clear visual confirmation of proper heat transfer during the sealing process. The indicator pattern changes uniformly to black after correct heat sealing, allowing rapid identification of sealing quality and supporting routine process validation. Manufactured in accordance with the applicable requirements of EN ISO 11607 for packaging process validation.

KEY FEATURES

- ✓ Designed for Heat Seal Performance Monitoring
- ✓ Uniform Black Color Change After Proper Sealing
- ✓ Detects Incomplete or Non-uniform Seals
- ✓ Suitable for Medical Sterilization Pouches and
- ✓ Disposable Single-Use Indicator
- ✓ Supports Routine Process Validation
- ✓ Records Sealing Parameters
- ✓ Easy to Use
- ✓ Cost-Effective Routine Monitoring

TECHNICAL SPECIFICATIONS

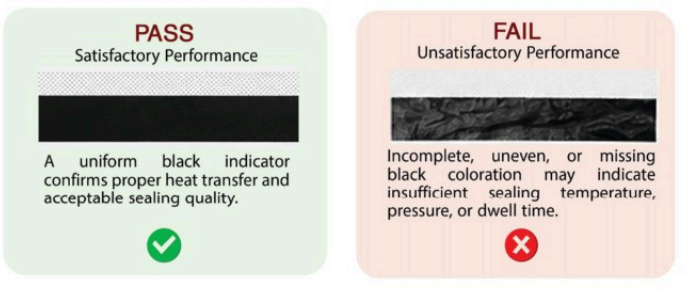
Item	Specification
Product Type	Seal Check Indicator
Dimension (mm)	135 x 165
Application	Heat Sealing Process Monitoring
Packaging	200 Strips/box
Shelf Life	36-months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard	EN ISO 11607

Single Use Only

HOW TO USE



INTERPRETATION GUIDE



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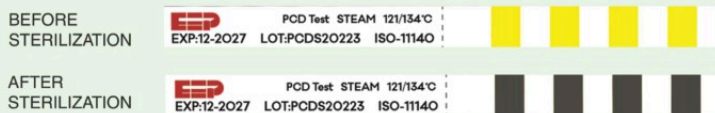

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TYPE 2 STEAM PROCESS INDICATOR STRIP

Reliable Monitoring of Steam
Sterilization Parameters



INDICATOR RESPONSE



- Article Number
KRLT-104
- Packaging:
250 indicator Strips/box
- Shelf Life
48-months
- Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Type 2 Steam Process Indicator Strip is designed for routine exposure monitoring of steam sterilization processes. The indicator provides a clear visual confirmation that the package has been exposed to the steam sterilization cycle. The indicator bars change color from yellow to dark brown/black after exposure to steam, providing rapid and reliable identification of processed packs. Manufactured in accordance with the applicable requirements of EN ISO 11140-1 for Type 1 process indicators.

KEY FEATURES

- ✓ Type 2 Steam Process Indicator Strip
- ✓ Clear Visual Confirmation of Steam Exposure
- ✓ Distinct Color Change (Yellow to Brown/Black)
- ✓ Disposable Single-Use Indicator
- ✓ Lot Number and Expiration Date Printed on Each Strip
- ✓ Lead Free and Heavy Metal Free
- ✓ Cost-Effective Routine Monitoring
- ✓ Conforms to EN ISO 11140-1

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 2 Process Indicator
Sterilization Process	Saturated Steam
Color Change	Yellow to Brown/Black
Material	Medical Grade Paper
Dimension (mm)	6 × 75
Packaging	250 indicator Strips/box
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE

PASS

Satisfactory Performance



A complete color change from yellow to dark brown/black indicates that the indicator has been exposed to the steam sterilization process



FAIL

Unsatisfactory Performance



Incomplete or no color change indicates that the package may not have been exposed to the sterilization process.



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TYPE 1

STEAM PROCESS INDICATOR LABEL

Clear Identification of Steam-Processed Packages



INDICATOR RESPONSE



BEFORE
STERILIZATION



AFTER
STERILIZATION



Article Number
KRLBI-102



Packaging:
750 indicator Labels/box



Shelf Life
36-months



Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Steam Process Indicator Label is a Type 1 chemical process indicator designed to distinguish steam-processed packages from unprocessed packages.

The self-adhesive labels are designed for use with a compatible three-line handheld labeler, allowing the operator to print identification information and apply the label directly to the outside of a steam-compatible package.

Following exposure to the specified steam sterilization process, the indicator band undergoes a clear and irreversible colour change from purple/violet to green.

A green indicator response confirms exposure to the steam process. As a Type 1 process indicator, the label does not verify that all critical sterilization parameters have been achieved and does not prove product sterility.

KEY FEATURES

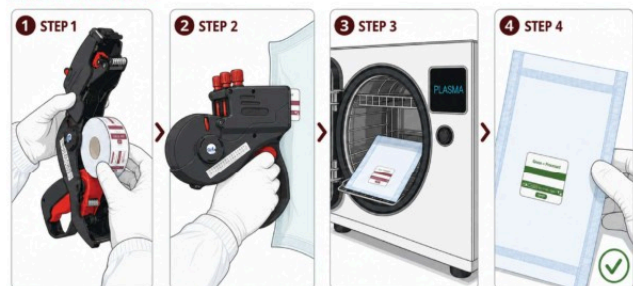
- ✓ Type 1 steam process indicator
- ✓ Clear colour change from purple/violet to green
- ✓ Distinguishes processed packages from unprocessed packages
- ✓ Designed for external package identification
- ✓ Compatible with specified three-line handheld labelers
- ✓ Self-adhesive label format
- ✓ Clear and immediate visual interpretation
- ✓ Irreversible indicator response
- ✓ Suitable for process traceability and record keeping
- ✓ Designed in accordance with ISO 11140-1 requirements
- ✓ Supports printing of package and cycle-identification information

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 1 Chemical Process Indicator Label
Sterilization Process	Steam
Color Change	Purple/Violet to Green
Material	Medical Grade Paper
Dimension (mm)	20 X 30
Packaging	750 indicator Labels / box
Shelf Life	36-months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE

PASS
Processed

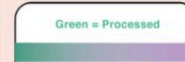


A uniform change from purple/violet to green indicates exposure to the steam process.



FAIL

Unprocessed or Questionable



A purple/violet, incomplete, uneven, or questionable colour change means that steam exposure has not been confirmed.



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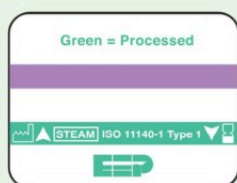
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TYPE 1 STEAM PROCESS INDICATOR LABEL

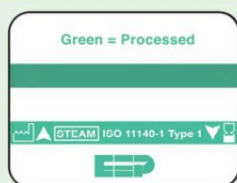
Clear Identification of Steam-Processed Packages



INDICATOR RESPONSE



BEFORE
STERILIZATION



AFTER
STERILIZATION



Article Number
KRLBI-102



Packaging:
750 indicator Labels/box



Shelf Life
36-months



Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EELP** Steam Process Indicator Label is a Type 1 chemical process indicator designed to distinguish steam-processed packages from unprocessed packages.

The self-adhesive labels are designed for use with a compatible three-line handheld labeler, allowing the operator to print identification information and apply the label directly to the outside of a steam-compatible package.

Following exposure to the specified steam sterilization process, the indicator band undergoes a clear and irreversible colour change from purple/violet to green.

A green indicator response confirms exposure to the steam process. As a Type 1 process indicator, the label does not verify that all critical sterilization parameters have been achieved and does not prove product sterility.

KEY FEATURES

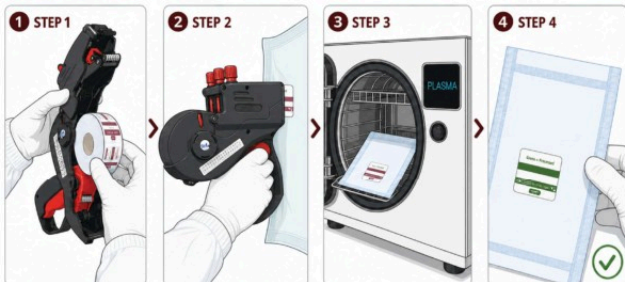
- ✓ Type 1 steam process indicator
- ✓ Clear colour change from purple/violet to green
- ✓ Distinguishes processed packages from unprocessed packages
- ✓ Designed for external package identification
- ✓ Compatible with specified three-line handheld labelers
- ✓ Self-adhesive label format
- ✓ Clear and immediate visual interpretation
- ✓ Irreversible indicator response
- ✓ Suitable for process traceability and record keeping
- ✓ Designed in accordance with ISO 11140-1 requirements
- ✓ Supports printing of package and cycle-identification information

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 1 Chemical Process Indicator Label
Sterilization Process	Steam
Color Change	Purple/Violet to Green
Material	Medical Grade Paper
Dimension (mm)	20 X 30
Packaging	750 indicator Labels / box
Shelf Life	36-months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE

PASS

Processed



A uniform change from purple/violet to green indicates exposure to the steam process.



FAIL

Unprocessed or Questionable



A purple/violet, incomplete, uneven, or questionable colour change means that steam exposure has not been confirmed.



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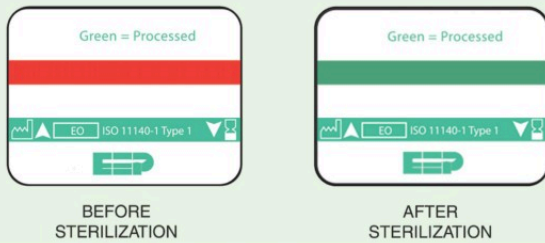
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TYPE 1 ETHYLENE OXIDE PROCESS INDICATOR LABEL

Clear Identification of EO-Processed Packages



INDICATOR RESPONSE



- Article Number
KRLBI-101
- Packaging:
750 indicator Labels/box
- Shelf Life
36-months
- Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Ethylene Oxide Indicator Label is a Type 1 chemical process indicator designed to distinguish EO-processed packages from unprocessed packages.

The self-adhesive labels are designed for use with a compatible three-line handheld labeler, allowing the operator to print identification information and apply the label directly to the outside of an EO-compatible package.

Following exposure to the specified ethylene oxide process, the indicator band undergoes a clear and irreversible colour change from red to green.

A green indicator response confirms exposure to the EO process. As a Type 1 process indicator, the label does not verify that all critical sterilization parameters have been achieved and does not prove product sterility.

KEY FEATURES

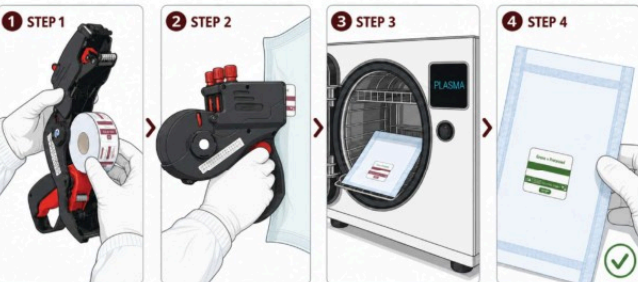
- ✓ Type 1 ethylene oxide process indicator
- ✓ Clear colour change from red to green
- ✓ Distinguishes processed packages from unprocessed packages
- ✓ Designed for external package identification
- ✓ Compatible with specified three-line handheld labelers
- ✓ Self-adhesive label format
- ✓ Clear and immediate visual interpretation
- ✓ Irreversible indicator response
- ✓ Suitable for process traceability and record keeping
- ✓ Designed in accordance with ISO 11140-1 requirements
- ✓ Supports printing of package and cycle-identification information

TECHNICAL SPECIFICATIONS

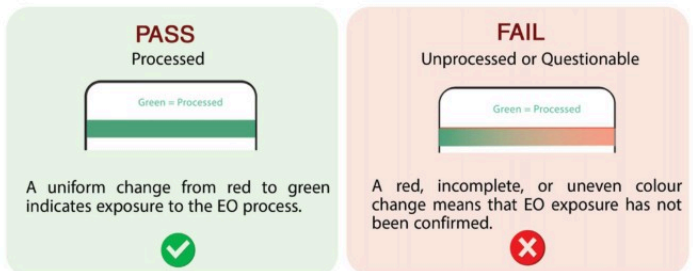
Item	Specification
Test Type	Type 1 Chemical Process Indicator Label
Sterilization Process	Ethylene Oxide (EO)
Color Change	Red to Blue
Material	Medical Grade Paper
Dimension (mm)	20 X 30
Packaging	750 indicator Labels/ box
Shelf Life	36-months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE



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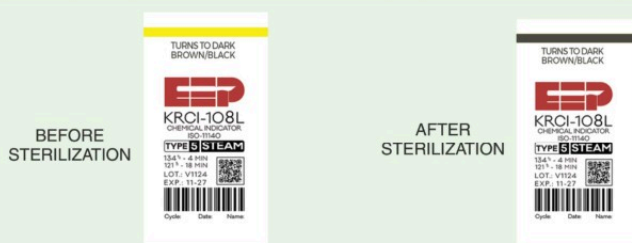
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TYPE 5 STEAM INTEGRATING INDICATOR

Integrated Monitoring of Critical Steam Sterilization Parameters



INDICATOR RESPONSE



- Article Number
KRCI-108L
- Packaging:
250 indicator Strips/box
- Shelf Life
36-months
- Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Type 5 Steam Integrating Indicator is a single-use chemical indicator designed for internal monitoring of specified steam sterilization cycles.

As a Type 5 integrating indicator, it is designed to respond to all critical variables of the specified steam sterilization process, including time, temperature, and the presence of steam.

The indicator provides a clear and irreversible visual response. When the specified exposure conditions have been achieved, the indicator bar changes from yellow to dark brown or black, allowing the result to be interpreted quickly and retained as a permanent process record.

The indicator is intended to be placed inside each package, pouch, tray, container, or other load configuration, as specified in the manufacturer's Instructions for Use.

A passing chemical-indicator result confirms that the indicator was exposed to its specified process conditions. It does not, by itself, prove product sterility and should be evaluated together with the sterilizer's physical records and the facility's established monitoring procedures.

KEY FEATURES

- ✓ Type 5 steam integrating chemical indicator
- ✓ Responds to the critical variables of specified steam cycles
- ✓ Clear colour change from yellow to dark brown/black
- ✓ Suitable for internal package and load monitoring
- ✓ Easy visual interpretation
- ✓ Single-use chemical indicator
- ✓ Permanent visual process record
- ✓ Lot number and expiry date printed on each indicator
- ✓ Load Free and Heavy Metal Free
- ✓ QR code for product traceability
- ✓ Manufactured in accordance with ISO 11140-1 requirements

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 5 Steam Integrating Chemical Indicator
Sterilization Process	Steam Sterilization
Color Change	Yellow to Brown/Black
Material	Medical Grade Paper
Dimension (mm)	70 X 20
Packaging	250 indicator Strips / box
Shelf Life	36-months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE

PASS Satisfactory Response



A uniform change from yellow to dark brown/black indicates exposure to the specified steam cycle conditions.



FAIL

Unsatisfactory Performance



A yellow, uneven, or incomplete colour change indicates that the required endpoint was not reached.



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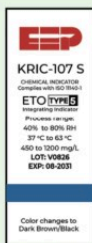
TYPE 5 ETHYLENE OXIDE INTEGRATING INDICATOR

Integrated Monitoring of Ethylene Oxide Sterilization Parameters

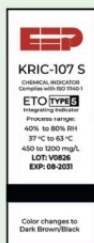


INDICATOR RESPONSE

BEFORE
STERILIZATION



AFTER
STERILIZATION



Article Number
KRCI-107S



Packaging:
250 indicator Strips/box



Shelf Life
36-months



Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EET** Ethylene Oxide Indicator is a Type 5 integrating chemical indicator designed for internal monitoring of specified ethylene oxide sterilization cycles.

The indicator is designed to respond to the critical variables of the specified EO process, including temperature, relative humidity, EO concentration, and exposure time.

Following adequate exposure, the indicator bar undergoes a clear and irreversible colour change from yellow to dark brown/black.

The indicator is intended for placement inside compatible pouches, trays, or containers. A passing result confirms that the specified indicator endpoint has been reached. It does not prove product sterility or replace biological and physical process monitoring.

KEY FEATURES

- ✓ Type 5 EO integrating chemical indicator
- ✓ Designed for low-temperature ethylene oxide sterilization
- ✓ Responds to the critical variables of the specified EO process
- ✓ Clear colour change from yellow to dark brown/black
- ✓ Irreversible visual indicator response
- ✓ Suitable for internal package monitoring
- ✓ Lot number and expiry date printed on each indicator
- ✓ QR code and barcode for product traceability
- ✓ Load Free and Heavy Metal Free
- ✓ Designed in accordance with ISO 11140-1 requirements

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 5 Integrating Chemical Indicator
Sterilization Process	Ethylene Oxide (EO)
Color Change	blue to Brown/Black
Material	Medical Grade Paper
Dimension (mm)	15 X 40
Packaging	250 indicator Strips / box
Shelf Life	36-months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

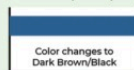
Single Use Only

HOW TO USE



INTERPRETATION GUIDE

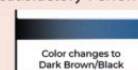
PASS
Satisfactory Response



A uniform change from blue to dark brown/black indicates that the indicator has reached its specified endpoint under the defined ethylene oxide (EO) process conditions. The result does not, by itself, prove product sterility.



FAIL
Unsatisfactory Performance



A blue, incomplete, or uneven response indicates that the specified endpoint has not been reached. Follow the approved Instructions for Use and investigate the EO cycle before release.



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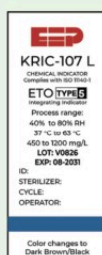
TYPE 5 ETHYLENE OXIDE INTEGRATING INDICATOR

Integrated Monitoring of Ethylene Oxide Sterilization Parameters

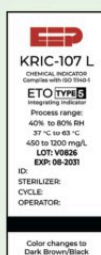


INDICATOR RESPONSE

BEFORE
STERILIZATION



AFTER
STERILIZATION



Article Number
KRIC-107L



Packaging:
250 indicator Strips/box



Shelf Life
36-months



Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Ethylene Oxide Indicator is a Type 5 integrating chemical indicator designed for internal monitoring of specified ethylene oxide sterilization cycles.

The indicator is designed to respond to the critical variables of the specified EO process, including temperature, relative humidity, EO concentration, and exposure time.

Following adequate exposure, the indicator bar undergoes a clear and irreversible colour change from yellow to dark brown/black.

The indicator is intended for placement inside compatible pouches, trays, or containers. A passing result confirms that the specified indicator endpoint has been reached. It does not prove product sterility or replace biological and physical process monitoring.

KEY FEATURES

- ✓ Type 5 EO integrating chemical indicator
- ✓ Designed for low-temperature ethylene oxide sterilization
- ✓ Responds to the critical variables of the specified EO process
- ✓ Clear colour change from yellow to dark brown/black
- ✓ Irreversible visual indicator response
- ✓ Suitable for internal package monitoring
- ✓ Lot number and expiry date printed on each indicator
- ✓ QR code and barcode for product traceability
- ✓ Lead Free and Heavy Metal Free
- ✓ Designed in accordance with ISO 11140-1 requirements

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 5 Integrating Chemical Indicator
Sterilization Process	Ethylene Oxide (EO)
Color Change	blue to Brown/Black
Material	Medical Grade Paper
Dimension (mm)	20 X 50
Packaging	250 indicator Strips / box
Shelf Life	36-months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE

PASS

Satisfactory Response

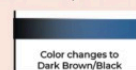


A uniform change from blue to dark brown/black indicates that the indicator has reached its specified endpoint under the defined ethylene oxide (EO) process conditions. The result does not, by itself, prove product sterility.



FAIL

Unsatisfactory Performance



A blue, incomplete, or uneven response indicates that the specified endpoint has not been reached. Follow the approved Instructions for Use and investigate the EO cycle before release.



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EXCELLENT ELITE PROCESS

KRINMED INC.

TYPE 4 MULTI-VARIABLE STEAM CHEMICAL INDICATOR

Precise Cycle Verification for Steam Sterilization



EN ISO 11140
COMPLIANT



ISO 13485
CERTIFIED



LEAD FREE
HEAVY METAL
FREE



SINGLE USE
DISPOSABLE



48-MONTHS
SHELF LIFE

INDICATOR RESPONSE

BEFORE
STERILIZATION



AFTER
STERILIZATION



Article Number
KRCI-161L



Packaging:
250 indicator Strips/Box



Shelf Life
48-months



Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Type 4 Multi-Variable Steam Chemical Indicator is designed for routine monitoring of saturated steam sterilization cycles. It provides reliable verification that the critical sterilization parameters, including time, temperature, and saturated steam, have been achieved.

The indicator is intended for internal pack monitoring and provides a distinct and permanent color change after exposure to the sterilization process, allowing quick and reliable interpretation of sterilization performance.

Manufactured in accordance with the applicable requirements of EN ISO 11140-1 for Type 4 multi-variable chemical indicators.

KEY FEATURES

- ✓ Type 4 Multi-Variable Steam Chemical Indicator
- ✓ Monitors Critical Sterilization Parameters
- ✓ Distinct Color Change (Yellow to Brown/Black)
- ✓ Reliable Internal Pack Monitoring
- ✓ Permanent Visual Record
- ✓ Disposable Single-Use Indicator
- ✓ Lead Free and Heavy Metal Free
- ✓ Lot Number and Expiration Date Printed on Each Indicator
- ✓ QR Code for Product Traceability
- ✓ Cost-Effective Routine Monitoring

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 4 Multi-Variable Indicator
Sterilization Process	Saturated Steam
Color Change	Yellow to Brown/Black
Material	Medical Grade Paper
Dimension (mm)	20 x 70
Packaging	250 indicator Strips / box
Shelf Life	48 months
Storage Temperature	15 to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



Step 1
Place one Type 4 multi-variable indicator inside each package, tray, or sterilization container.



Step 2
Run the specified steam sterilization cycle according to the sterilizer manufacturer's instructions.



Step 3
Remove the package after the sterilization cycle has been completed.



Step 4
Interpret the color change according to the acceptance criteria.

INTERPRETATION GUIDE

PASS

Satisfactory Performance



A complete and uniform color change to dark brown/black indicates that all specified cycle parameters have been achieved.



FAIL

Unsatisfactory Performance



Incomplete or uneven color change indicates that the required sterilization parameters were not achieved.



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EXCELLENT ELITE PROCESS

KRINMED INC.

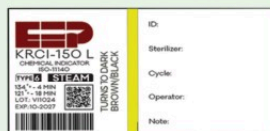
TYPE 6

STEAM EMULATING INDICATOR

Precise Cycle Verification for Steam Sterilization



INDICATOR RESPONSE



BEFORE
STERILIZATION



AFTER
STERILIZATION



Article Number
KRCI-150 MA



Packaging:
250 indicator Strips/Box



Shelf Life
48-months



Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Type 6 Steam Emulating Indicator is designed for routine monitoring of saturated steam sterilization cycles. It provides precise verification that the sterilization cycle has achieved the specified critical parameters of time, temperature, and saturated steam.

The indicator is intended for internal pack monitoring and is designed to react only when the specific cycle conditions have been met. A permanent color change allows quick and reliable interpretation of sterilization performance.

Manufactured in accordance with the applicable requirements of EN ISO 11140-1 for Type 6 emulating indicators.

KEY FEATURES

- ✓ Type 6 Steam Emulating Indicator
- ✓ Designed for Specific Steam Sterilization Cycles
- ✓ Distinct Color Change (Yellow to Brown/Black)
- ✓ High Accuracy Cycle Verification
- ✓ Internal Pack Monitoring
- ✓ Disposable Single-Use Indicator
- ✓ Permanent Visual Record
- ✓ Lot Number and Expiration Date Printed on Each Indicator
- ✓ Lead Free and Heavy Metal Free
- ✓ Cost-Effective Routine Monitoring

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 6 Emulating Indicator
Sterilization Process	Saturated-Steam
Color Change	Yellow to Brown/Black
Material	Medical Grade Paper
Dimension (mm)	35 X 65
Packaging	250 indicator strips / box
Shelf Life	48 months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE

PASS

Satisfactory Performance

Turns to DARK BROWN/BLACK

A complete and uniform color change to dark brown/black indicates that all specified cycle parameters have been achieved.



FAIL

Unsatisfactory Performance

Turns to DARK BROWN/BLACK

Incomplete or uneven color change indicates that the required sterilization parameters were not achieved.



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FOR USE (IFU)



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EXCELLENT ELITE PROCESS

KRINMED INC.

TYPE 2 BOWIE-DICK TEST PACK

Reliable Air Removal and
Steam Penetration Monitoring



INDICATOR RESPONSE



BEFORE
STERILIZATION



AFTER
STERILIZATION



Article Number
KRBD-200



Packaging:
Each



Shelf Life
48-months



Storage
15°C to 30°C

PRODUCT OVERVIEW

The **EEP** Bowie-Dick Test Pack is designed for routine daily performance monitoring of pre-vacuum steam sterilizers. The test pack evaluates the efficiency of air removal and steam penetration within the sterilizer chamber before routine sterilization loads are processed. The disposable test pack contains a calibrated Bowie-Dick indicator sheet that provides a rapid and reliable visual assessment of sterilizer performance. A uniform color change confirms satisfactory air removal and steam penetration throughout the test pack. Manufactured in accordance with EN ISO 11140-4, the EEP Bowie-Dick Test Pack is intended for daily monitoring of pre-vacuum steam sterilizers in CSSD and healthcare facilities.

KEY FEATURES

- ✓ Type 2 Bowie-Dick Test Pack
- ✓ Daily Air Removal Test
- ✓ Steam Penetration Verification
- ✓ Uniform Yellow to Black Color Change
- ✓ Disposable Single Use Pack
- ✓ Provides a permanent test record
- ✓ Lead Free and Heavy Metal Free
- ✓ Complies with EN ISO 11140-4
- ✓ Suitable for Pre-vacuum Steam Sterilizers

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 2 Bowie-Dick Test Pack
Sterilization Process	Pre-vacuum Steam
Color Change	Yellow to Brown/Black
Dimension (mm)	130 × 130
Packaging	Each
Shelf Life	48 months
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-4

Single Use Only

HOW TO USE



INTERPRETATION GUIDE

PASS

Satisfactory Performance



Uniform color change across the entire indicator pattern confirms effective air removal and adequate steam penetration throughout the test pack.



FAIL

Unsatisfactory Performance



A non-uniform or incomplete endpoint indicates an unsatisfactory result. Do not process loads until the cause has been investigated, corrective action has been completed, and a repeat Bowie-Dick test produces a satisfactory result.



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KRINMED
THE STERILIZATION SPIN-OFF
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A Member of AltonTeb Group

TYPE 2 BOWIE-DICK TEST CARD

Reliable Air Removal and
Steam Penetration Monitoring



INDICATOR RESPONSE



BEFORE
STERILIZATION



AFTER
STERILIZATION

- Article Number
KRBD-118
- Packaging:
30 Test Cards/Box
- Shelf Life
48-months
- Storage
15 to 30°C

PRODUCT OVERVIEW

The **EEP** Type 2 Bowie-Dick Test Card is designed for routine performance monitoring of pre-vacuum steam sterilizers operating at 134°C for 3.5 minutes. When used as directed, it provides a reliable evaluation of air removal efficiency and steam penetration in dynamic air-removal steam sterilization cycles. The test card produces a distinct and permanent color change after exposure to the sterilization process, allowing rapid and reliable assessment of sterilizer performance. Manufactured in accordance with the applicable requirements of EN ISO 11140-4 for Type 2 Bowie-Dick test systems.

KEY FEATURES

- ✓ Type 2 Bowie-Dick Test Card
- ✓ Designed for Daily Bowie-Dick Testing
- ✓ Distinct Color Change (Yellow to Brown/Black)
- ✓ Reliable Air Removal Verification
- ✓ Disposable Single-Use Test Card
- ✓ Lead Free and Heavy Metal Free
- ✓ Cost-Effective Routine Monitoring
- ✓ Permanent Record Retention
- ✓ Lot Number and Expiration Date Printed

TECHNICAL SPECIFICATIONS

Item	Specification
Test Type	Type 2 Bowie-Dick Test Card
Sterilization Process	Pre-vacuum Steam
Color Change	Yellow to Brown/Black
Test Cycle	134°C / 3.5 minutes
Article Number	KRBD-118
Packaging	30 Test Cards / Box
Dimensions (mm)	50 X 90
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-4

Single Use Only

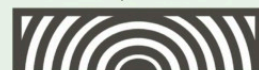
HOW TO USE



INTERPRETATION GUIDE

PASS

Satisfactory Performance



A uniform color change to black over the entire indicator area confirms effective air removal and steam penetration.



FAIL

Unsatisfactory Performance



Non-uniform or incomplete color change indicates inadequate air removal or insufficient steam penetration. The sterilizer should be inspected before routine use.



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EXCELLENT ELITE PROCESS
KRINMED INC.

TYPE 2 BOWIE-DICK HELIX TEST

Reliable Air Removal and Steam
Penetration Monitoring



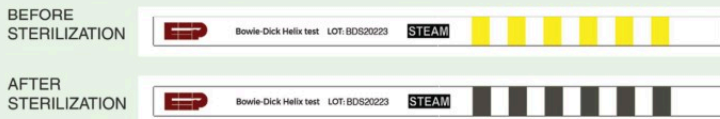
Article Number
KRBD-111

Packaging:
250 indicator Strips/box

Shelf Life
48-months

Storage
15°C to 30°C

INDICATOR RESPONSE



PRODUCT OVERVIEW

The **EEP** Bowie-Dick Helix Test System is designed for routine performance monitoring of pre-vacuum steam sterilizers. Supplied with a durable stainless steel helix device and a 4-meter PTFE tube, the system evaluates the efficiency of air removal and steam penetration in hollow and porous loads.

The indicator strip provides a clear and permanent color change after exposure to the sterilization cycle, allowing rapid and reliable interpretation of sterilizer performance.

Manufactured in accordance with applicable requirements of the EN ISO 11140 series for chemical indicators.



KEY FEATURES

- ✓ Stainless Steel Helix Device
- ✓ 4-Meter PTFE Tube
- ✓ Type 2 Chemical Indicator
- ✓ Distinct Color Change (Yellow to Black)
- ✓ Excellent Steam Penetration Detection
- ✓ Disposable Indicator Strip
- ✓ Self-Adhesive For Secure Placement
- ✓ Unique Lot Number For Traceability
- ✓ Load Free and Heavy Metal Free
- ✓ Cost-Effective Routine Monitoring

TECHNICAL SPECIFICATIONS

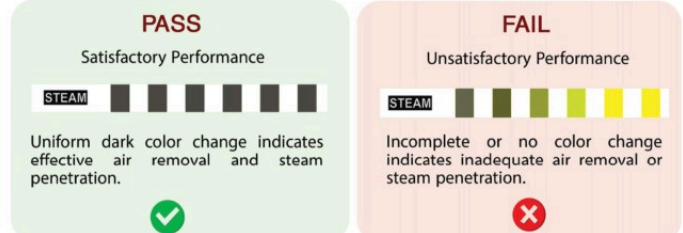
Item	Specification
Test Type	Type 2 Bowie-Dick Helix Test
Sterilization Process	Pre-vacuum Steam
Tube Length	4 meters
Tube Material	PTFE
Helix Material	Stainless Steel
Packaging	250 indicator Strips / box
Dimension (mm)	6 × 130
Storage Temperature	15°C to 30°C
Country of Origin	Made in Iran
Standard Compliance	EN ISO 11140-1

Single Use Only

HOW TO USE



INTERPRETATION GUIDE



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