



1.TERRAGENE–BIO NOVA

Spore strips for EtO and Dry Heat (10^6 spores)

BT40/6 Categories Biological Indicators, Spore Strips Tag: Spore Strips

Additional information

Brand

Bionova

Process

Dry Heat, Ethylene Oxide

Packaging

100

Microorganism

Bacillus atrophaeus (ATCC® 9372)

Population

10^6 Spores/carrier

Read-Out Time

48 h

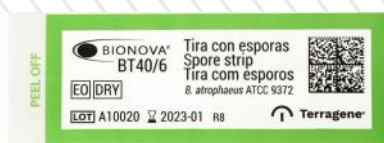
Regulations

IRAM 37102-1, IRAM 37102-2,

ISO 11138-1, ISO 11138-2, ISO 11138-4

Length

4.5 m



2.TERRAGENE – BIO NOVA

Spore strips for STEAM and Formaldehyde (10^6 spores)

BT50/6 Categories Biological Indicators, Spore Strips Tag: Spore Strips

Additional information

Brand

Bionova

Process

Formaldehyde, Steam

Packaging

100

Microorganism

Geobacillus stearothermophilus (ATCC® 7953)

Population

10^6 Spores/carrier

Read-Out Time

24 h, 48 h

Regulations

IRAM 37102-1, IRAM 37102-3, ISO 11138-1, ISO 11138-3, ISO 11138-5



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3.TERRAGENE – BIO NOVA

Spore strips for Dry Heat ,STEAM and ETO (10⁶ spores)

BT60/6 Categories Biological Indicators, Spore Strips Tag: Spore Strips

Additional information

Brand	Bionova
Process	Dry Heat, Ethylene Oxide, Steam
Packaging	100
Microorganism	Bacillus atrophaeus (ATCC® 9372), Geobacillus stearothermophilus (ATCC® 7953)
Population	10 ⁶ Spores/carrier
Read-Out Time	24 h, 48 h
Regulations	IRAM 37102-1, IRAM 37102-2, IRAM 37102-3, ISO 11138-1, ISO 11138-2, ISO 11138-3, ISO 11138-4



4.TERRAGENE – INTEGRON CLASS V

Chemical Integrator & Emulators for Steam IT26-C

Category: Chemical Indicators Tags Color Chart, FDA, Integrators and emulators

Additional information

Brand	Integron
Process	Steam
Packaging	250
Indicator Type	Type 5 Chemical Indicator
Regulations	ISO 11140-1



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5.TERRAGENE - INTEGRON Chemical Emulators

Emulator Indicator for Steam (3 min/134 °C. Yellow ink)

IT27-3YS Category: Chemical Indicators Tag: Integrators and emulators



Usage :

Control of Steam sterilization processes.

Emulation conditions: 3 minutes, 134 °C (FLASH cycles).

Applicable Regulation: Designed under Quality Management Systems standards ISO

13485:2016/NS-EN ISO 13485:2016. ISO 11140-1:2014

Class 1, according to risk.

Classification:

Authorization

ANMAT (Argentinean National Administration of Drugs, Food and Medical Devices)
PM 1614-4.

Characteristics:

Type 6 Emulator Indicator.

One-side-laminated strips printed with indicator ink.

Size:

70 mm x 23 mm.

Initial color:

yellow

Final color:

black

The product ensures an adequate control of the efficacy of sterilization processes (temperature, time, quality of steam).

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6.TERRAGENE - INTEGRON Chemical Emulators

Emulator Indicator for Steam (18min/134 °C. Yellow ink)

IT27-18YS Category: Chemical Indicators Tag: Integrators and emulators

Additional information

Brand	Integron
Process	Steam
Packaging	200
Initial Color	Yellow
Final Color	Black
Indicator Type	Type 6 Chemical Indicator
Regulations	ISO 11140-1, ISO 13485



7.TERRAGENE - INTEGRON Chemical Emulators ETO

Type 5 : 2 level Chemical Integrator for EtO (Yellow - Green)

IT12 Category: Chemical Indicators Tags FDA, Integrators and emulators



Additional information

Brand	Integron
Process	Ethylene Oxide
Packaging	250
Initial Color	Level 1 Red, Level 2 Purple-Brown
Final Color	Level 1 Yellow, Level 2 Green
Indicator Type	Type 5 Chemical Indicator
Regulations	ISO 11140-1



8.TERRAGENE - INTEGRON Chemical Emulators STEAM

3 Level : Blue , Pink , Green : Chemical Integrator for Steam

IT26 Category: Chemical Indicators Tag: Integrators and emulators



Additional information

Brand	Integron
Process	Steam
Packaging	1
Initial Color	Level 1 Blue, Level 2 Pink, Level 3 Green
Final Color	Black
Indicator Type	Type 5 Chemical Indicator
Regulations	ISO 11140-1

9.TERRAGENE - INTEGRON Chemical Emulators STEAM

Chemical Integrator for Steam

IT26S Category: Chemical Indicators Tag: Integrators and emulators

Additional information

Brand	Integron
Process	Steam
Packaging	200
Initial Color	Purple
Final Color	Green
Indicator Type	Type 5 Chemical Indicator
Regulations	ISO 11140-1





10.TERRAGENE – BIO NOVA – BIO LOGICAL INDICATOR

24h Biological Indicator for Steam BT20 Categories Biological Indicators,
Self-contained Tags Color Chart, Conventional

Additional information

Brand
Process
Packaging
Microorganism

Bionova
Steam
30, 100
Geobacillus
stearotherophilus (ATCC® 7953)

Population
Read-Out Time
Regulations

10⁶ Spores/carrier
24 h
IRAM 37102-1, IRAM 37102-3, I
SO 11138-1, ISO 11138-3



11.TERRAGENE – BIO NOVA – BIO LOGICAL INDICATOR

48 h Biological Indicator for ETO BT10
Categories Biological Indicators, Self-contained Tags Color Chart, Conventional

Additional information

Brand
Process
Packaging
Microorganism
Population
Read-Out Time
Regulations

Bionova
Ethylene Oxide
30, 100
Bacillus atrophaeus (ATCC® 9372)
10⁶ Spores/carrier
48 h
IRAM 37102-1, IRAM 37102-2,
ISO 11138-1, ISO 11138-2
40 mm

Length





12.TERRAGENE – Chemdye – Steam 121 15 Minutes 134 3.5 minutes TYPE 4 Strips

Multi-variable chemical indicator for Steam

CD20 Category: Chemical Indicators Tag: Chemical strips

Additional information

Brand	Chemdye
Process	Steam
Packaging	250, 500
Initial Color	Purple
Final Color	Green
Indicator Type	Type 4 Chemical Indicator
Regulations	ISO 11140-1



13.TERRAGENE – Chemdye – ETO TYPE 4 Strips

Multi-variable chemical indicator for EtO

CD16 Category: Chemical Indicators Tags Chemical strips, Color Chart, FDA

Additional information

Brand	Chemdye
Process	Ethylene Oxide
Packaging	250 double or 500 single
Initial Color	Purple-Brown
Final Color	Green
Indicator Type	Type 4 Chemical Indicator
Regulations	ISO 11140-1



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14. TERRAGENE – BIONOVA – STEAM – 3 Hours - Rapid PCD TYPE 5 Integrator Moving Strips and SCBI Indicator for Steam

3h Steam Test Pack (with one point integrator – purple)

PCD220-2 Category: Process Challenge Device Tags FDA, Process Challenge Device

Additional information

Brand	Bionova
Process	Steam
Packaging	Single PCD
Microorganism	Geobacillus stearothermophilus (ATCC® 7953)
Population	10 ⁷ Spores/carrier
Read-Out Time	3 h
Regulations	ANSI/AAMI ST79, ISO 11138-3, ISO 11140-1



15. TERRAGENE – BIONOVA – STEAM – 1 Hour – Super Rapid PCD TYPE 5 Integrator Moving Strips and SCBI Indicator for Steam

1h Steam Test Pack (with moving front integrator)

PCD222-C Category: Process Challenge Device Tags FDA, Process Challenge Device

Additional information

Brand	Bionova
Process	Steam
Packaging	Single PCD
Microorganism	Geobacillus stearothermophilus (ATCC® 7953)
Population	10 ⁶ Spores/carrier
Read-Out Time	1 h
Regulations	ANSI/AAMI ST79, ISO 11138-1, ISO 11138-3



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16.TERRAGENE – BIONOVA – ETO – 4 Hour – Super Rapid PCD TYPE 5 Integrator BioLogical Self Contain Vial & Chemical Indicator (Pink)

4h Ethylene Oxide Sterilization Test Pack PCD Kit KPCD110

Category: Process Challenge Device Tags FDA, Process Challenge Device

Additional information

Brand	Bionova
Process	Ethylene Oxide
Packaging	Kit with 25 PCDs + 25 BT110
Microorganism	Bacillus atrophaeus (ATCC® 9372)
Population	10 ⁶
Read-Out Time	4 h
Initial Color	Pink
Final Color	Orange
Indicator Type	Type 1 Chemical Indicator
Regulations	ISO 11138-1, ISO 11138-3, ISO 11140-1, ISO 13485:2016/NS-EN



17.3 line automatic labeler – Chemdye – Terragene

hemdye® CG3 3-Line Labeler has 3 print lines with 12 alphanumeric characters each, which allows printing alphanumeric data on Chemdye® labels, thus enabling easy and clear traceability of packages to be sterilized.

On each label, the following information can be printed: sterilizer number, batch, sterilization date, initials of the person responsible, package content, expiration date or other information. These labels have a Type 1 chemical indicator that changes color in the presence of the sterilizing agent and allows distinguishing processed packages from unprocessed ones.



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18.CINTAPE - Self-adhesive indicator tape for Steam

CT22 Category: Chemical Indicators Tags FDA, Self-adhesive indicator tapes
The adhesive component of the tape allows the adhesion to different types of packaging and wraps, such as cloth, paper and plastic being easy to remove and leaving no residues. Innovative highly sensitive yellow ink was developed to turn to dark brown / black when the indicator is exposed to Steam. Endpoint condition: 121 °C, 10 minutes; 134 °C, 2 minutes. Please review the instructions for use for applicable cycles in your country Additional information



Additional information

Brand	Cintape
Process	Steam
Packaging	1
Initial Color	Yellow
Final Color	Black, Dark Brown
Indicator Type	Type 1 Chemical Indicator
Regulations	ISO 11140-1

19.CINTAPE - Self-adhesive indicator tape for ETO

Self-adhesive indicator tape for EtO

CT10 Category: Chemical Indicators Tag: Self-adhesive indicator tapes
Conditions: 600 mg/l EO, 60 % RH, 54 °C, 20 minutes // 600 mg/l EO, 60 % RH, 37 °C, 25 minutes. Additional information

Additional information

Brand	Cintape
Process	Ethylene Oxide
Packaging	1
Initial Color	Orange
Final Color	Green
Indicator Type	Type 1 Chemical Indicator
Regulations	ISO 11140-1





20. Self-adhesive label indicator for Steam

CD28 Category: Chemical Indicators Tags Color Chart, Documentation system labels

Additional information

Type 1 Chemical Indicator.

Double adhesive labels printed with indicator ink for data registration.

Size: 70 x 35 mm.

Initial color: purple.

Final color: green

Control of Steam sterilization processes.

Conditions: 121 °C, 10 minutes // 134 °C, 2 minutes



21. Self-adhesive label indicator for ETO

Self-adhesive label indicator for automatic labeler for EtO

CD13 Category: Chemical Indicators Tags Color Chart, Documentation system labels

Chemdye® CD13 chemical indicator has been specially developed to control Ethylene Oxide sterilization processes. It consists of a double self-adhesive substrate of 29 x 22.5 mm printed with a highly sensitive innovative ink that turns from light blue to green when exposed to Ethylene Oxide. Additional information

Additional information

Brand	Chemdye
Process	Ethylene Oxide
Packaging	1 roll x 750, 12 rolls x 750
Initial Color	Light Blue
Final Color	Green
Indicator Type	Type 1 Chemical Indicator
Regulations	ISO 11140-1



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22.BROWNE - TST Control™ Indicators

BROWNE – Emulating TST Control – Steam Cycle Verification Indicator For STEAM.
TYPE 6 . Self Adhesive 7 Min 134 C and 20 Mn 121 C . Yellow to Blue / Purple Colour.
200 Nos/ Box.



Steam Cycle Verification Indicators are calibrated to the specific cycle parameters of your sterilizer and a passed test verifies exposure to conditions essential for sterilization has occurred.

The Browne TST Control Changes Colour from yellow to blue/purple when exposed to all critical parameters (Time, Steam , And temperature) for steam sterilization over the range specific or coded on the product. If a dark maroon/black colour is obtained, this signifies that the sterilization parameters were achieved, but is also indicative of over – processing with temperature and/or time.

23.BROWNE - TAPE WITH STEAM INDICATOR

18MMX50M 48 ROLLS



24.BROWNE – TAPE WITH STEAM INDICATOR

24 mm x 50 M – 36 ROLLS



25.BROWNE – ETHYLENE OXIDE INTEGRATOR

TYPE 5 for EO sterilization



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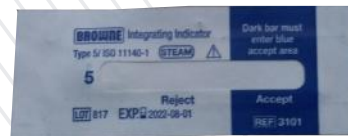


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26.BROWNE – STEAM INTEGRATING INDICATOR – CHEMICAL INDICATOR (Without Colour Change) Type 5.

Usage/Application	STRIP FOR STERILISATION VERIFICATION
Brand	TST BROWNE
Material	STRIPS
Model Name/Number	3101
Shape	Rectangular
Temperature Range	121 c - 134 c DEG
Minimum Order Quantity	1 Pack



TST BROWNE TYPE 5 Intergrating Indicators small indicator MOVING CHEMICAL INDICATOR (NO COLOUR CHANGE)

Browne Steam Integrating Indicator Chemical Indicator Iso 11140-1 Contains 250 Indicators Ref 3101 Directions 1. Place A Browne Steam Sterilization Integrator In The Centre Of Each Pack Or Load. 2. Adequate Sterilization Conditions Are Reached When The Dark Bar Has Completely Travelled Through The Reject Window And Has Entered The Accept Window. 3 If The Dark Bar Does Not Reach The Accept Window, Sterilization Conditions Have Not Been Met And The Pack Or Load Should Not Be Used. Follow Departmental Procedures For Reporting Failures.4. Use In 115-138°C Pre-vacuum, Gravity Or Flash Cycles. The Browne Steam Sterilization Integrator Will, In The Presence Of Steam, Respond To Time And Temperature. Do Not Store Near Heat Source. Serious Incidents That Have Occurred In Relation To This Medical Device Should Be Reported To The Manufacturer And Competent Authority In The Country Where The Incident Occurred.



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27. BROWNE – BROWNE STEAM MVI INDICATOR - MULTIVERIABLE (MVI) 121 134 Box 240 TYPE 4.

Usage: Class 4 Multi-Variable Steam Indicator Strips are designed to be used in steam sterilizers operating at 134°C – 3.5 minutes. The indicator strips can be used in every pack and will provide assurance of steam penetration into the packs.



28. BROWNE TST LOAD CHECK Browne TST Load Check 121 C 20Min 134 C 7Min Steam.

Browne TST Load Check 121/C/20Min 134C/7Min Steam

The Browne TST Load Check gives you confidence to release the load. Load control devices are designed to act as a challenge to the steam penetration capability of the sterilizer.





29. BROWNE ETO MVI Multivariable Indicator Strips 250.

For Eto Sterilisation PAPER Tst Browne Mvi Ethylene Oxide Chemical Indicator Strips Class 4

TST BROWNE MVI ETO CHEMICAL INDICATOR STRIPS CLASS 4 FOR ETO CYCLE VERIFICATION



MVI Ethylene Oxide Indicator

Lead Free and non-toxic, this advanced ink technology is both safe to use and environmentally friendly

Ref: 2563
MVI Ethylene Oxide Indicator – 250 indicators/box
Conforms to ISO 11140-1st Class 4
When placed inside trays, packs or pouches, MVI Ethylene Oxide Indicators will confirm that the gas has penetrated to the point of placement.

30. Helix PCD - test Kit - 7min Helix kit for steam (plastic)

Additional information

Brand	Chemdye
Process	Steam
Packaging	1 plastic device + 1 cotton bag + 250 indicators
Initial Color	Yellow
Final Color	Black
Indicator Type	Type 2 Chemical Indicator
Regulations	EN 867-5, ISO 11140-1





Description, Usage :

KH2X15-7.0Y/P / Helix-PCD + Test strips Kit for Steam sterilization processes 7 min. 134° C. Load release. Plastic capsule. Plastic tube of 1,5 m and 2 mm internal diameter. 1 cotton bag + 250 strips PCD-A-7.0Y Turns from Yellow to Black. EN 867-5, ISO 11140-1 Type 2.

Process Challenge Device for Steam sterilization processes control. For safe release hollow loads. Conditions: 7 minutes, 134°C // 20 minutes, 121 °C.

Characteristics

Helix-PCD

Plastic capsule of great resistance and durability, to hold a Chemical Indicator designed for this system. The capsule is connected to a high resistance plastic tube of 1.5 m length (see catalogue for other lengths) and 2 mm internal diameter. Special silicone connector coated by external connector.

PCD-A-7.0Y

Type 2 Chemical Indicator.

Self-adhesive strip printed with indicator ink. Size: 76 x 6 mm.

10 strips per sheet. Size: 80 x 98.5 mm.

Initial color: yellow

Final color: dark brown/black

Authorization: ANMAT (Argentinean National Administration of Drugs, Food and Medical Devices) PM-1614-4.


NOTE: If the 4 bars change to the final color, the sterilization cycle was successful, the load can be securely released. If one or more bars did not turn to the final color, this shows a failure in sterilizing agent penetration, the load cannot be considered sterile, that is, it cannot be released.

100 % Toxic Heavy Metals free

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