



# Green Card T air removal & steam penetration test for benchtop sterilizers



### functionality

The Green Card T is specially packaged for daily monitoring of pre-vacuum steam sterilizers operating at 134°C /273°F to detect the presence of residual air. Residual air can defeat pre-vacuum steam sterilization. The special pouch packaging prevents the indicator card from being exposed to excessively wet steam conditions that are sometimes present in Benchtop steam sterilizers.

**features : bench top sterilizer test**

**pre-vacuum test**

### components

The Green Card T includes :

Qty	Description	Code
15 Tests/Box	Green Card T air removal and penetration test	<b>PL254</b>

### storage

Store the Green Card T at normal room temperature 10-38°C (50-100°F), 10-60% relative humidity. the product shelf life is 3 years.

### implementation

The Green Card T test is conducted each day in an empty sterilizer prior to processing any loads. In a best practice environment the interpretation of the Green Card T test would be recorded as part of an integrated and approved QA system procedure specific to that user environment.

### summary

#### Green Card T

- Meets EN867-1, Class B standards
- Meets ISO 11140-1, Class 2 standards
- Meets EN867-5 standards
- Lead Free
- Easy interpretation
- Permanent colour change (no reversion of colour change unlike PH indicators)
- Checks residual air in steam sterilizers

### quick reference

Green Card T air removal and steam penetration test detects :



### related pre-vacuum products :

- Titems Monitors
- Titems Diagnostic Emulator
- MEDITRAX® Surgery Integrator Labels



## Medical and Surgical Requisites Pty Ltd

Call within Brisbane 07 3859 2900  
Phone 1300medsurg (1300 633 787)

33 Fulcrum Street Richlands Queensland 4077  
Email [medical@medsurg.com.au](mailto:medical@medsurg.com.au)

[www.medsurg.com.au](http://www.medsurg.com.au)  
Fax 07 3859 2995





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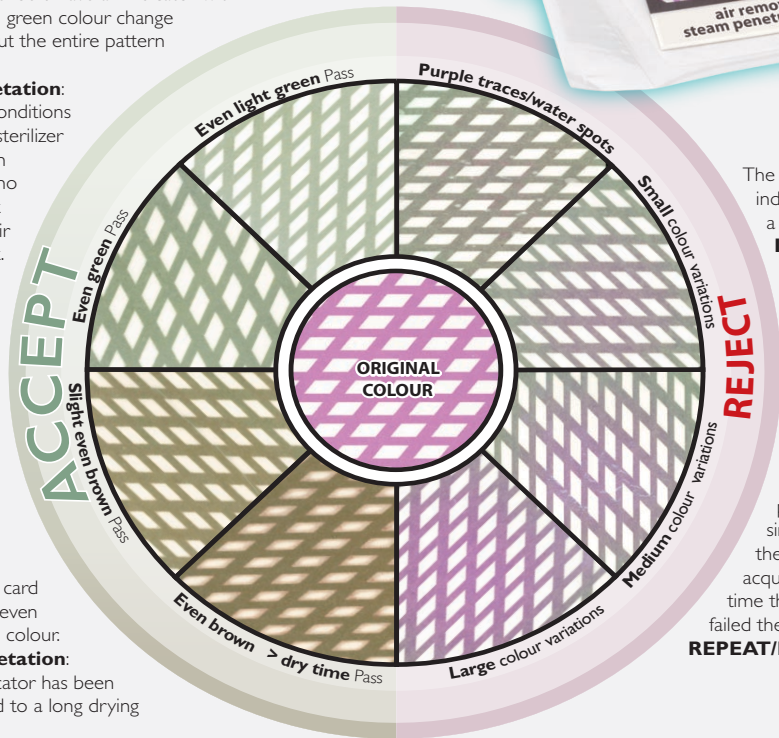
air removal & steam penetration test for benchtop sterilizers

## interpretation guide

**objective** : A sterilizer that is functioning normally should have an indicator with a uniform green colour change throughout the entire pattern

**Interpretation:** correct conditions with the sterilizer have been met and no significant residual air is present.  
**PASS**

The chemical indicator card turns an even brown in colour.  
**Interpretation:** The indicator has been subjected to a long drying phase.  
**PASS**



The chemical indicator card has a purple area  
**Interpretation:** residual air is present in the sterilizer. It is recommended that the test be repeated to assure that the sterilizer is warmed-up and no anomalies are present in the single test cycle. If the same result is acquired the second time the sterilizer has failed the test.  
**REPEAT/FAIL**



## one-on-one Green Card T test indicator card customer support

Austmel Pty Ltd is able to offer one-on-one support during office hours on our 1800 074 085 service. This is a valuable service to healthcare personnel who require immediate technical support to use the Green Card T test indicator card. This service is a complete one-on-one person to person level.

## background

Austmel Pty Ltd is an Australian owned company established in 1974. Austmel have been directly involved in the supply and development of Sterility Assurance products for over 30 years. Our unique products and systems extend into both the Health Care and Industrials markets, including :

- MEDITRAX® Accountability & Traceability Systems
- Biological and Chemical Sterilization Indicators
- PCD Tests
- Sterilization Packaging
- Quality Assurance Consultation
- TMI Electronic Data Loggers
- Surgical Disposables

*This product was tested in Germany by Sterila Dienstleistungs GMBH, an independent testing company.*

**T 1800 074 085 customer support**



## Instructions for use of the Green Card T:

The Greencard T test is conducted each day in an empty sterilizer prior to processing any loads.

1. The sterilizer should be fully heated to operating temperature before running the air removal and steam penetration test even if a short "warm-up cycle" is performed before running the test.
2. Assemble the test pack by attaching the metal ring, provided with indicator cards, through the hole on the top of the GreenCard T pouch. The ring provides weight to the pouch and indicator card and prevents them from being blown around the sterilizer during steam insertion and vacuum pulses.
3. Place the test pack on the bottom rack, near the drain. Be sure the clear side of the pouch is facing up.

4. Run a pre-vacuum steam sterilization cycle for 3.5 minutes at 134°C/273°F with a drying phase of less than five minutes. No drying time is also acceptable. **Note: long drying phases may cause the indicator to turn brownish in colour.**
5. Remove test pack from the Sterilizer. Open the pouch and remove the Green Card T. Retain the metal ring for later use and discard the pouch. **Caution: The Green Card T metal ring and Holder may still be hot and should be handled carefully to avoid thermal injury.**
6. Examine the Green Card T immediately upon removal from the sterilizer and record the results. If no significant amount of residual air is present, the indicator will show a uniform green colour change. If the Green Card T shows any purple colour this indicates the presence of residual air.
7. Turn the Green Card T over and fill in the appropriate information on the back. Save the card for file records. Report any residual air indications to the department supervisor:

## quick reference

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