



WIPECLEAN HEAT SEALED PILLOWS



THE COMPANY

Global Medics is a family owned company originally established in the 1990's to provide quality product and prompt, professional service to the healthcare market. Ongoing contact with a wide spectrum of medical providers has seen our range expand to include major international brands and our own branded products in four key areas - Aged Care, Theatre/Surgical, Pharmacy/IT and Hospital.

PARTNERS FOR LIFE

Throughout our history, we have strived to forge ongoing relationships with both our customers and our suppliers, allowing us to better meet your needs and provide the best, most efficient and cost effective solutions to improving medical care for your residents, patients and your own healthcare teams. Truly understanding what you do and working together in this way, we can help enhance quality of life for all patients.



GLOBAL SOLUTIONS Today our range includes a comprehensive supply of medical and healthcare requirements from gloves to wound care, infection control, theatre and surgical items and more that really deliver results. To view our full product range please visit www.globalmedics.co.nz

OUR MISSION

To forge partners for life so we are better able to deliver the highest quality, innovative products, tested and proven in the global healthcare arena

To reflect the value we place on these partnerships by delivering unbeatable service and backup support

To deliver the most simple and effective solutions that focus on improving quality of life

FOR ALL YOUR MEDICAL PRODUCT ENQUIRIES, BROCHURES OR ORDERS PLEASE CONTACT OUR HELPLINE

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Global Medics
Medical and Hygiene Supply Group



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Global Medics seeks continuously to deliver optimum solutions to your requirements through a range of unique, internationally branded medical products sourced from round the globe.

This brochure outlines our Heat Sealed Pillow range.

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www.globalmedics.co.nz

FOR IMPROVED INFECTION CONTROL

This pillow comes complete with an anti-bacterial, waterproof PVC cover which is heat sealed on all edges. Each seal is 5mm thick on each seam of the pillow. There are no air holes so in a high risk environment there is no chance of the pillow being soiled around the air hole and infection being passed onto another patient.

BENEFITS:

- **HEAT SEALED SEAMS ALL AROUND** – no air / fluids can enter or leave the pillow unlike standard hospital pillows
- **WATERPROOF COVER**—simply wipe down to keep clean
- **IMPROVED INFECTION CONTROL** especially in high risk areas
- Inside the PVC cover is another thin cover over the soft Polyfill in case the external cover is damaged reducing chance of accidental escape of the Polyfill
- **2-WAY STRETCH**, soft PU cover similar to those used on hospital mattresses—*very comfortable*
- **VAPOUR PERMEABLE, BREATHABLE**, but waterproof cover—does not sweat like plastic covers
- **FIRE RETARDANT/ bacteria resistant / latex free cover**
- **ELIMINATE THE NEED FOR A SEPARATE PILLOW** and pillow cover / cover cannot be removed
- Can be wiped with diluted hypochlorite solutions or 70% alcohol
- **REVIEWED IN AN INDEPENDENT REPORT** – see the back of this brochure.



USERS:

- **THEATRE / EMERGENCY DEPARTMENTS / MATERNITY WARDS / MRSA PATIENTS**
- **AMBULANCE SERVICES**
- **AGED CARE/ HOSPITALS** – where improved infection control is required rather than using standard hospital pillows that have holes and stitched seams
- **HOTELS / CARAVAN PARKS / BACKPACKERS** – no bed bugs can get in the pillow

CODE	DESCRIPTION	SIZE	WEIGHT
B WHCS	WIPECLEAN Heat Sealed Pillow - FULL SIZE	66 x 45 x 10cm	825gm
B WHCST	WIPECLEAN Heat Sealed Pillow – HALF SIZE for Theatre / Ambulance / Paediatrics	45 x 33cm	425gm



PROPERTIES	TEST METHOD	TEST RESULT
Thickness	AS 2001.2.15-1989	0.18mm mean
Water Penetration	AS 2001.2.17-1987	Impermeable
Elongation (% fabric can stretch of its original size before breaking)	AS 2001.2.3.1-2001	Length 202%; Width 211%
Breaking Force (force required to break fabric pulling from each end)	AS 2001.2.3.1-2001	Length 124N; Width 144N
Tear Resistance - Wing Rip	AS 2001.2.10-1986	Length - 4.5N minimum; Length 4.5N mean Width - 5.5N minimum; Width - 5.8N mean
Flammability	AS 2755.2-1985	10mm maximum
Dimensional Stability @ 80 degrees	AS 2001.5.4-2005	Length - 3%; Width 4%
Bacterial Inhibition - Escherichia coli	ATCC 8739	0, 0 mm growth
Bacterial Inhibition - Klebsiella pneumoniae	ATCC 13883	0, 0 mm growth
Bacterial Inhibition - Staphylococcus aureus	ATCC 6538	0, 0 mm growth
Bacterial Inhibition - Pseudomonas aeruginosa	ATCC 15442	0, 0 mm growth



Attention: Corey White

 HAINES MEDICAL
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CERTIFICATE OF ANALYSIS

Report No:	M 07009120 an	Date:	4 May 2007
Date Received:	3 April 2007	Date Tested:	3 May 2007
Purchase Order No.	3595	Method:	AATCC Test Method 90

Results –
Health Care Sheeting

Organisms	Inhibition	Zone (mm)
<i>Escherichia coli</i> ATCC 8739	No Growth, No Growth	7.0, 7.0
<i>Klebsiella pneumoniae</i> ATCC 13883	No Growth, No Growth	7.0, 7.0
<i>Staphylococcus aureus</i> ATCC 6538	No Growth, No Growth	5.0, 5.0
<i>Pseudomonas aeruginosa</i> ATCC 15442	No Growth, No Growth	1.0, 1.0

Control

Organisms	Inhibition	Zone (mm)
<i>Escherichia coli</i> ATCC 8739	Growth, Growth	0, 0
<i>Klebsiella pneumoniae</i> ATCC 13883	Growth, Growth	0, 0
<i>Staphylococcus aureus</i> ATCC 6538	Growth, Growth	0, 0
<i>Pseudomonas aeruginosa</i> ATCC 15442	Growth, Growth	0, 0

Note: The method is modified such that *E.coli* ATCC 8739, *K.pneumoniae* ATCC 13883, *S.aureus* ATCC 6538 and *P.aeruginosa* ATCC 15442 were the organisms used in the test.

Yours faithfully,

DAVID LIM B.Sc
 MICROBIOLOGIST

The data pertains solely to the analytical and sampling procedure(s) used and the necessarily justify the acceptance or rejection of a lot or batch, a product recall or support condition and homogeneity of the sample(s) as received. The data therefore may not be representative of the lot or batch or other samples. Consequently the data may not legal proceedings. It is the responsibility of the client to provide all information relevant to the analysis requested. This report does not imply that Silliker Microtech Pty Ltd has been engaged to consult upon the consequences of the analysis and for any action that should be taken as a result of the analysis.



Bug Control
Infection Control Advisory Service

Review & Report on Wipeclean® Heat Sealed Seams PU Pillow

This document contains a review of the product and information provided by Haines Medical Australia accompanying the Wipeclean® Heat Sealed Seams PU Pillow. It also contains a report and recommendations for this product.

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28th September 2009

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Review and Report – Wipeclean® Heat Sealed Seams PU Pillow (Haines Medical Australia)

1. Recommended use in operating theatre and general wards, aged care, ambulance services

This fully heat sealed pillow is covered with a water repellent, flame retardant, vapour permeable, four way stretch polyurethane which allows for easy cleaning, yet provides a protective barrier against contaminants entering the pillow cover and contaminating the pillow. It has been designed for use in high risk areas where there is a risk of heavy contamination from blood or body substances e.g. ambulances, operating theatres, emergency departments. The Wipeclean® Heat Sealed Seams PU Pillow would be used by a single patient during their admission to a particular healthcare facility, or during transport from an incident scene to another facility.

A heat sealed pillow is a non-critical medical item and like a number of similar items, such as mattresses, will be provided for a patient during an episode of care and may continue to be used repeatedly for a single patient over a period of time. This principle applies in settings such as emergency departments, and operating theatres. These pillows will potentially have contact with non-intact skin and must be cleaned if visibly soiled but pose little or no risk of causing an infection if managed appropriately.

Exceptions to retention of the Wipeclean® Heat Sealed Seams PU Pillow may include;

- If the heat seal of the pillow becomes compromised by a hole or cut
- If the Wipeclean® Heat Sealed Seams PU Pillow is accompanying the patient to another healthcare facility; under these circumstances the heat sealed pillow may be deemed a risk of harbouring pathogens which may be transferred to another facility. Local risk assessment is required

The risk of a patient acquiring an infection is dependent on a number of factors including the presence of micro-organisms and a site for entry of those agents into a patient. In the event that a Wipeclean® Heat Sealed Seams PU Pillow is used on a single patient and the pillow is not damaged or visibly soiled, then the risk of acquisition of infection relating to the use of this pillow may be seen as low.

If the patient is colonized or infected with a pathogen which may not be able to be eliminated from the environment with pH neutral detergent and water then it may also be appropriate to disinfect the Wipeclean® Heat Sealed Seams PU Pillow after cleaning to minimise the risk of re-colonisation or infection transmission. These pathogens may include MRSA, VRE, Clostridium difficile, rotavirus and noroviruses. The risk of re-infection or colonisation should be considered at a local level, on an individual basis and in light of the patient history and the particular pathogen identified.

In the event that there is an outbreak of a particular pathogen of concern, cleaning and disinfecting of items may be increased to help control and/or eliminate potential reservoirs of such pathogens. Under these circumstances a decision may be made at a local level to discard items which may not be adequately disinfected after use. These decisions must be based on local circumstances and at the discretion of the individual organisation.

Key Recommendations:

- If the integrity of the Wipeclean® Heat Sealed Seams PU Pillow is not damaged and if the heat sealed pillow will be required by a single patient during their admission then it may be appropriate to continue to use the Wipeclean® Heat Sealed Seams PU Pillow throughout the patient admission
- The Wipeclean® Heat Sealed Seams PU Pillow may be transferred with patients between facilities if it is cleaned with pH neutral detergent and water at the time of transfer.
- In certain circumstances, where the patient is colonized or infected with a pathogen which may not be able to be eliminated from the environment, disinfection with a suitable disinfecting agent may be required after the initial clean with pH neutral detergent. The risk of re-infection or colonisation should be considered at a local level, on an individual basis and in light of the patient history and the particular pathogen identified.
- The Wipeclean® Heat Sealed Seams PU Pillow should potentially be discarded if the cover of the heat sealed pillow becomes damaged or compromised in any way

2. Recommended cleaning procedures

Cleaning and disinfecting of 'non-critical' items or devices forms part of Standard Infection Control Precautions. The frequency with which any item may need to be cleaned is largely dependent on the frequency of its use and the level of contamination of the item.

All items such as pillow covers should be cleaned routinely and regularly regardless of visible contamination. It is recommended that regardless of visible soiling, and as part of Standard Infection Control Precautions, that the Wipeclean® Heat Sealed Seams PU Pillow is wiped over with pH neutral detergent and water as part of normal hygiene and cleaning regime. The frequency and method must be specified by policy and procedures which will be developed by organisations based on the type of patients/ clients they treat or manage and the local context for that healthcare service.

Current national and international infection control guidelines consistently endorse the use of a pH neutral detergent and water for the purposes of cleaning items such as the Wipeclean® Heat Sealed Seams PU Pillow.

The fabric used in the manufacture of the Wipeclean® Heat Sealed Seams PU Pillow is considered suitable for wiping over with pH neutral detergent and disinfectants. Where the additional use of a disinfectant agent would be required or recommended e.g. patient colonised or infected with a pathogen which may not be eliminated from the environment with pH neutral detergent and water, it is suggested that disinfection takes place *after* an initial clean with pH neutral detergent.

Key Recommendations - Not Visibly Soiled

- If not visibly soiled the Wipeclean® Heat Sealed Seams PU Pillow should be wiped over with pH neutral detergent and water on a regular basis and between each patient use
- If the patient is colonized or infected with a pathogen which may not be able to be eliminated from the environment with pH neutral detergent and water, cleaning with a pH neutral detergent *must be followed* by cleaning with a suitable disinfectant agent. The type of disinfecting agent will be nominated at local level
- The Wipeclean® Heat Sealed Seams PU Pillow must be disposed of immediately if the cover of the heat sealed pillow becomes compromised, torn or damaged.

Key Recommendations – Lightly Soiled:

- Users must adhere to Standard Infection Control Precautions when both using and disposing of this pillow
- If lightly soiled, the bulk of soiling should be removed using paper towel then the Wipeclean® Heat Sealed Seams PU Pillow should be wiped over with pH neutral detergent and water
- If the patient is colonized or infected with a pathogen which may not be able to be eliminated from the environment with pH neutral detergent and water, cleaning with a pH neutral detergent *must be followed* by cleaning with a suitable disinfectant agent. The type of disinfecting agent will be nominated at local level
- The Wipeclean® Heat Sealed Seams PU Pillow must be disposed of immediately if the cover of the heat sealed pillow becomes compromised, torn or damaged.

Key Recommendations – Heavily Soiled:

- Users must adhere to Standard Infection Control Precautions when both handling, using, cleaning and disposing of the Wipeclean® Heat Sealed Seams PU Pillow
- If heavily soiled, the bulk of soiling should be removed using paper towel or other absorbent material, then the Wipeclean® Heat Sealed Seams PU Pillow should be wiped over with pH neutral detergent and water
- If the patient is colonized or infected with a pathogen which may not be able to be eliminated from the environment with pH neutral detergent and water, cleaning with a pH neutral detergent *must be followed* by cleaning with a suitable disinfectant agent. The type of disinfecting agent will be nominated at local level
- The Wipeclean® Heat Sealed Seams PU Pillow must be disposed of immediately if the cover of the heat sealed pillow becomes compromised, torn or damaged.

Key Recommendations – When Patient Changeover occurs:

- When the pillow is changed from one patient to another patient it must be thoroughly cleaned *prior* to use on the new patient.
- Users must adhere to Standard Infection Control Precautions when both using and disposing of this pillow
- If the pillow is being changed from one patient to another the Wipeclean® Heat Sealed Seams PU Pillow should be wiped over with pH neutral detergent and water before use on another patient
- If the patient is colonized or infected with a pathogen which may not be able to be eliminated from the environment with pH neutral detergent and water, cleaning with a pH neutral detergent *must be followed* by cleaning with a suitable disinfectant agent. The type of disinfecting agent will be nominated at local level
- The Wipeclean® Heat Sealed Seams PU Pillow must be disposed of immediately if the cover of the heat sealed pillow becomes compromised, torn or damaged.

3. Recommended disposal when cover is compromised or damaged

The cover of the Wipeclean® Heat Sealed Seams PU Pillow is a water repellent, flame retardant, vapour permeable, four way stretch polyurethane with heat sealed seams. If this cover becomes torn or damaged in any way this will compromise the pillow and it will not be able to be reused.

Any disposable item must be discarded in accordance with local regulatory frameworks.

Key Recommendations:

- Users must adhere to Standard Infection Control Precautions when both handling and disposing of this pillow
- If the cover of the Wipeclean® Heat Sealed Seams PU Pillow is damaged and not visibly soiled, the pillow may be disposed of into the general waste stream. Refer to local regulations/ guidelines regarding waste management
- If the cover of the Wipeclean® Heat Sealed Seams PU Pillow is damaged and lightly soiled, the pillow may be disposed of into the general waste stream. Refer to local regulations/ guidelines regarding waste management
- If the cover of the Wipeclean® Heat Sealed Seams PU Pillow is damaged and heavily soiled, the pillow may be disposed of into the clinical waste stream. Refer to local regulations/ guidelines regarding waste management

Benefits for Emergency Department, Operating Theatres, Ambulance and Infection Control in High Risk Areas

When certain items are difficult to clean it can be challenging to ensure that these items are consistently handled in a manner that is appropriate. Current infection prevention and control guidelines recommend that adherence to recommended cleaning should be monitored and that feedback should be provided to those involved in such processes to support safe management in the healthcare setting. The literature highlights that outbreaks are often associated with failure to follow recommended cleaning procedures.

There are issues in high acuity areas such as emergency departments, operating theatres, critical care units and field situations with patients often bleeding or contaminating items and the environment with blood or body fluids. These fluids are associated with a risk of infection transmission.

Access to devices which can ultimately save costs are an important adjunct in contemporary healthcare. Assessment of the cost of this reusable item may need to be reviewed by the specific service but comparisons would include all facets of the cost equation such as ability to reuse the Wipeclean® Heat Sealed Seams PU Pillow® versus current pillows in use, training in the cleaning the item, transport costs to a waste facility.

Due to its ability to be cleaned and then used numerous times, together with a reduced opportunity to transmit infection once cleaned appropriately, the Wipeclean® Heat Sealed Seams PU Pillow® may represent a cost saving opportunity in a range of settings including high and low acuity areas. The individual decision to use this product will be determined by consideration of the full range of potential cost savings. It is beyond the scope of this report to make advice or comment in this regard.

From an infection prevention and control perspective the use of the Wipeclean® Heat Sealed Seams PU Pillow is seen as a benefit due to its cover with a water repellent, fire retardant, vapour permeable, four way stretch polyurethane which allows for easy cleaning, yet provides a protective barrier against contaminants entering the pillow cover and contaminating the pillow.

The ability to adequately clean and disinfect the Wipe clean® Heat Sealed Seams PU Pillow which is a non critical item, makes patient transfer from one area to another easy and safe after appropriate cleaning and possible disinfection.

Key Recommendations:

- The benefits of using the Wipeclean® Heat Sealed Seams PU Pillow® over other pillows can be summarised as follows;
 - Reduced opportunity for infection transmission due to ease of cleaning the vapour permeable, four way stretch polyurethane cover with heat sealed seams
 - Reduced opportunity for infection transmission due to a cover of water repellent, flame retardant, vapour permeable, four way stretch polyurethane with heat sealed seams. Other pillows do not have the heat sealed seams and can allow entry of bacteria and other contaminants
 - The Wipeclean® Heat Sealed Seams PU Pillow may represent a cost saving opportunity in a range of settings including high and low acuity areas due to its ability to be reused safely after appropriate cleaning and possible disinfection. The individual decision to use this product will be determined by consideration of the full range of potential cost savings.

References:

Australian Government, Department of Health and Ageing, Infection control guidelines for the prevention of transmission of infectious diseases in the health care setting, January 2004 Commonwealth of Australia

Sehulster LM, et al, Guidelines for Environmental Infection Control in Health-Care Facilities. Recommendations of the CDC and the Healthcare Infection Control Practices Advisory Committee (HICPAC). Chicago IL; American Society for Healthcare Engineering/American Hospitals Association; 2004.

Siegel JD, Rhinehart E, Jackson M, Chiarello L, and the Healthcare Infection Control Practices Advisory Committee, 2007 Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings, June 2007 CDC





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