

# PATIENT ID SOLUTIONS

## UltimoID<sup>®</sup> MED

### PATIENT ID WRISTBANDS

Patient safety is a top priority in any hospital. Failure to identify patients correctly leads to patients being given incorrect treatment, surgical procedure or medication causing medical complications or even death with serious consequences.

UltimoID<sup>®</sup> MED Wristbands offer secure patient identification with information printed onto the wristband direct from the Hospital's patient admission system. The use of Barcodes enhances safety by ensuring that each patient is administered the correct drugs and treatment and that all treatment, lab samples and blood units are accurately recorded, tracked and monitored at all stages.

UltimoID<sup>®</sup> MED Wristbands have been designed keeping patient safety in mind and help in:

- Reducing Insurance costs & patient bed days
- Accurate tracking of patient blood & lab samples across the hospital
- Reduces possibility of making errors by helping nurses & doctors accurately administer and track treatment
- Easy scanning of wristbands reduces time spent by nursing staff in matching patients with prescribed medication and gives them enhanced confidence

UltimoID<sup>®</sup> MED bands come in 3 variants

UltimoID<sup>®</sup> MED Thermal Snap-closure Wristbands

UltimoID<sup>®</sup> MED Thermal Adhesive-closure Wristbands

UltimoID<sup>®</sup> MED Laser Wristband Label Sheets

抗菌醫療手帶  
ANTI-MICROBIAL WRISTBANDS

#### APPLICATIONS:



#### Healthcare

Patient ID tracking  
Hospital admissions  
Hospital nursery

#### SPECIAL FEATURES:

UK - NPSA Compliant

US - NPSG Compliant

- Made of soft & comfortable yet durable material
- Resistant to water, soap, alcohol & hand sanitizer
- Made of latex free, skin friendly material reducing allergic reactions

## UltimoID<sup>®</sup> MED Thermal Adhesive-closure Wristbands

Feature a security, tamper evident design and can be quickly attached to the wrist. Manufactured from durable, soft, smooth and non-abrasive material.

### UltimoID<sup>®</sup> MED.TA - ADULT



Colours:  Red  White

Size: 1.125 x 11.5 inches  
(28.6 x 292 mm)

### UltimoID<sup>®</sup> MED.TA - CHILD



Colours:  Red  White

Size: 1 x 7.5 inches  
(25.4 x 190 mm)

### UltimoID<sup>®</sup> MED.TA - INFANT

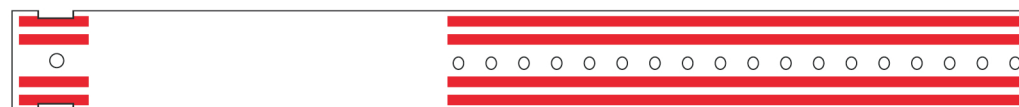


Colours:  Red  White

Size: 1 x 6 inches  
(25.4 x 152 mm)

## UltimoID<sup>®</sup> MED Thermal Snap-closure Wristbands

Feature a non-transferable clips and are made of very soft and durable material.



Colours:  Red  White

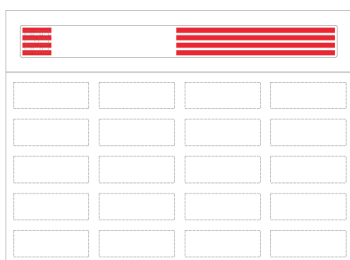
Size: 1.125 x 11.5 inches  
(28.575 x 292.1 mm)

Snap-Closure: Yellow



## UltimoID<sup>®</sup> MED Laser Wristband Label Sheets

- Print on-demand using color laser printer to print patient photos, color code alerts, bar codes, & text directly onto the wristband.
- Single-piece construction allows you to print wristbands & labels from the same laser tray.



## Direct Thermal Printer

- Front LCD display
- High quality double-walled clamshell design
- Easy media loading



## Resistance To Solvents & Harsh Environments

A patient wristband should maintain the integrity of the patient data and barcode during the full duration of the patient's hospital stay. To maintain durability, the product must resist moisture and chemicals, which can corrupt critical patient information. UltimoID<sup>®</sup> MED Thermal Wristbands provide maximum resistance to light, moisture and the following solvents:

- Betadine Iodine
- Ethyl Rubbing Alcohol
- Hand Lotion
- Isopropyl Alcohol
- Hand Sanitizer
- Sunscreen Lotion

**syndicate**  
GROUP



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# Laboratory Testing of UltimoID™ MED Direct Thermal Antimicrobial Wristbands

This document details the laboratory testing completed on **UltimoID MED** direct thermal printable antimicrobial-coated wristbands. Independent laboratories tested the wristbands to ensure they meet high standards for image durability, scanability and comfort.



## The following **UltimoID™ MED** wristbands underwent testing:

- **UltimoID™ MED** Thermal wristbands with adhesive closure: **ADULT, CHILD & INFANT**
- **UltimoID™ MED** Thermal wristbands with Snap closure: **ADULT**

## The following tests were conducted:

- **Effectiveness of anti-microbial coating**  
Test Lab of Sinanen Zeomic Co., Ltd., Japan; Test date: April 30, 2014
- **Image Durability**  
Syndicate R&D Laboratory; Test date: February 2014
- **Tensile Strength and Peel Adhesion**  
Syndicate R&D Laboratory; Test date: February 2014

## Effectiveness of Anti-microbial coating

All **UltimoID™ MED** wristbands are anti-microbial coated. The effectiveness of the anti-microbial coating was tested at the test laboratory of Sinanen Zeomic Co., Ltd., Japan.

Test Protocol JIS Z 2801 (2010 edition) was followed.

All samples were impregnated with bacterial strains of Staphylococcus aureus ( 金黃葡萄球菌 NBRC 12732) and Escherichia coli ( 大腸桿菌 NBRC 3972) and tested for anti-microbial activity.

### The wristbands received the following anti-microbial activity rating\*

Staphylococcus	<b>A</b>	Escherichia coli	<b>A</b>
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*\*Rating for antimicrobial activity:*

**A:** Clearly antimicrobial activity compared with the un-treated sample

**B:** High potential antimicrobial activity compared with the un-treated sample

**C:** Non antimicrobial activity compared to the un-treated sample

## Image Durability

Optimum scanning performance and image durability are important, especially regarding the narrow 5mil 128 Subset C bar codes that are printed on today's hospital wristbands. A barcode that fails to scan or requires repeated attempts to scan, can both jeopardize patient safety and staff productivity. Syndicate's R&D team tested the image durability of **UltimoID™ MED** direct thermal wristbands to insure optimum image durability and scanning performance.

The image durability of a 5 mil narrow-bar 16 digit Code 128 C barcode printed on a **UltimoID™ MED** wristband at Syndicate's recommended darkness and print speed settings was measured by scanning with a Axicon 6500 Series ANSI/ISO Grade Barcode verifier after exposure to solvents, abrasion and water. For each test performed, a "Pass" or "Fail" designation was noted.

Following are definitions of the designations:

**Pass**= Immediate scan of barcode without repeated attempts

**Fail**= Failure of barcode to scan or required repeated attempts to scan

The bands were tested for resistance to following solvents, popular hospital products and water using an AATCC Crock meter, using a crocking cloth and a Crock meter heavy arm:

<b>91% Isopropyl Alcohol</b>	: <b>Pass</b>	: 50x rubs with a soaked cloth on a 5 mil narrow-bar 16 digit Code 128 C barcode.
<b>70% Ethyl rubbing Alcohol</b>	: <b>Pass</b>	: 50 rubs with a soaked cloth on 5 mil narrow-bar 16 digit Code 128C barcode.
<b>Betadine</b>	: <b>Pass</b>	: 100X rubs with a soaked cloth on a 5 mil narrow-bar 16 digit Code 128 C barcode.
<b>Purell</b>	: <b>Pass</b>	: 50X rubs with a soaked cloth on a 5 mil narrow-bar 16 digitCode 128 C barcode.
<b>Abrasion</b>	: <b>Pass</b>	: An abrasion test was conducted using an AATCC Crock meter, using a crocking cloth and a Crock meter heavy arm.1000X rubs with a dry crocking cloth on a 5 mill narrow-bar 16digit Code 128 C barcode.
<b>Water Resistance</b>	: <b>Pass</b>	: The water resistance was tested using a Cimarec Stirring Hot Plate. The 5 mil narrow-bar 16 digit Code 128 C barcode was immersed in 105°F/40° C water, at stir setting 3 for 6 hours.

## Tensile Strength and Peel Adhesion

### Tensile Strength

The tensile strength was tested using a Series 500 Force Test Stand, IMADA Dial force gauge station, at a speed of 1.5 inch/minute. This test simulates pulling the wristband off a wrist.

All **UltimoID™ MED** wristbands withstand pull force of 41 pounds.

### Peel Adhesion

The peel adhesion was tested using a Series 500 Force Test Stand, IMADA Dial force gauge station, at a speed of 12 inches per minute and a peel angle of 180 degrees. This test simulates peeling the wristband apart at the adhesive tab.

All **UltimoID™ MED** wristbands with stand peel force of 55 ounces.



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