Product Catalogue

Dermacyn® Wound Care

Microcyn® Skin & Wound HydroGel™
Dermacyn® Wound Care — Safe as Water

Dermacyn Wound Care is a super-oxidized disinfectant solution for treating ulcers, wounds, cuts and burns. Dermacyn Wound Care is based on the patented Microcyn technology: a sterile super-oxidized, pH-neutral, purified water-based solution. The solution disinfects the affected area while maintaining the health of the surrounding tissue and can therefore also be used in the debridement, irrigation and moistening of acute and chronic wounds, ulcers, cuts, abrasions and burns. Through reducing the microbial load and assisting in creating a moist environment, Dermacyn wound care enables the body to perform its own healing process. Dermacyn captures the immune system in a bottle!

Safe: Non-toxic and non-irritating to human skin, eyes or throat.
Ready to use: No mixing or dilution required.
Stable: Dermacyn® Wound Care has 24 months shelf life.
Environmentally safe: No special disposal precautions required.
Multi-purpose: Can be used within a comprehensive wound treatment.

Handling: No special handling or precautions needed. Non-toxic and non-irritating to human skin, eyes or throat. Safe as water.

Indications: Dermacyn® is intended for moistening absorbent wound dressings and for debriding and cleaning acute and chronic dermal lesions, such as Stage I-IV pressure ulcers, Stasis ulcers, diabetic ulcers, post-surgical wounds, First and second degree burns, abrasions and minor irritations of the skin.

Ingredients: Oxidized Water 99.97%, Sodium Chloride (NaCl) 0.023%, Sodium Hypochlorite (NaOCl) 0.004%, Hypochlorous Acid (HOCl) 0.003%

المكونات: ماء مؤكسد (99.97%), و كلوريد الصوديوم (NaCl) 0.023%, و هايبوكلوريت الصوديوم (NaOCl) 0.004%, و حمض هايبوكلوراسي (HOCl) 0.003%
Dermacyn® WOUND CARE

**Item No.1**
Dermacyn Wound Care
500 ml. (16.9 oz.)
MOH Code: 2295-6346-004
WEGMD Code: DWC500ML

*Very useful for irrigation Applications!*

**Item No.2**
Dermacyn Wound Care
236 ml. (7.98 oz.)
MOH Code: 2295-6346-003
WEGMD Code: DWC236ML

*Kills ALL microbes within minutes of contact!*

**Item No.3**
Dermacyn Wound Care
MOH Code: 2295-6346-005
WEGMD Code: DWC5LT

**Item No.4**
Dermacyn Negative Pressure
Wound Therapy Solution
MOH Code: 2295-6346-002
WEGMD Code: DWC990ML

*Dermacyn Negative Pressure is intended for the irrigation and management via debridement of post-surgical and trauma wounds.!

More Information or Ordering:
Tel: (+965) 22240222, Mob: (+965) 50855610
**Microcyn® Skin & Wound HydroGel™ OTC**

**Microcyn® Skin & Wound HydroGel** is intended for the management of exuding wounds such as leg ulcers, pressure ulcers, diabetic ulcers, and for the management of mechanically or surgically debrided wounds. Use for skin abrasions, lacerations, irritations and intact skin.

**Handling:** No special handling or precautions needed. Non-toxic and non-irritating and non-sensitizing to skin. Safe as water

**Indications:** Microcyn® Skin and Wound Hydrogel is intended as a skin moisturizer, Care of skin abrasions, lacerations and irritations and an antiseptic for intact skin. It is also intended for the management of exuding wounds such as leg ulcers, pressure ulcers, diabetic ulcers, and for the management of mechanically or surgically debrided wounds.

**Ingredients:** Sodium Hypochlorite (0.002%), Hypochlorous Acid (0.008%), Sodium Chloride (0.066%), Sodium Phosphate (1.200%), Sodium Magnesium Fluorosilicate (4.500%), Electrolyzed Water (94.224%)
Microcyn®
Skin & Wound HydroGel™ OTC

BENEFITS:
- No known drug/treatment interactions or contraindications
- Helps hydrate dry wounds and maintain an optimally moist wound-healing environment
- Non-staining, non-oily and fully biodegradable
- Non-irritation, non-sensitizing and non-cytotoxic to granulation tissue
- Assist in autolytic debridement
- pH balanced
- Ideal for uneven and difficult to reach spaces

Item No.5
Microcyn® Skin & Wound HydroGel™
236 g.
MOH Code: 2295-6358-001
WEGMD Code: MHG236G

Handy spray for application
Can be administered to patients even without gloves!

Item No.6
Microcyn® Skin & Wound HydroGel™
50 g. (1.76 oz.)
MOH Code: 2295-6358-003

Handy tube to carry anywhere

Item No.7
Microcyn® Skin & Wound HydroGel™
400 g. (14 oz.)
MOH Code: 2295-6358-002
WEGMD Code: MHG400G

Very good skin moisturizer!
Care for skin abrasions, lacerations and irritations and an antiseptic for intact skin. Recommended for Specific Wounds Category

More Information or Ordering:
Tel: (+965) 22240222, Mob: (+965) 50855610
Life-Altering Advance in Tissue Care

The patented Microcyn® Technology mimics the same oxychlorine composition as that manufactured by neutrophils in the body’s immune system. Neutrophils are the most abundant type of white blood cells in humans and form an integral part of the immune system. It is safe-as-saline, biocompatible, and shelf-stable technology which has demonstrated, in a variety of research and investigational studies, the ability to treat a wide range of pathogens, including antibiotic-resistant strains of bacteria (including MRSA and VRE), viruses, fungi and spores while reducing inflammation and increasing blood flow to treated tissue.

Performance Testing

Microcyn® Solution has been evaluated by the USP<51> Antimicrobial Effectiveness Test and in Time-Kill studies. It has demonstrated in-vitro effectiveness by reducing the microorganisms listed below and passes the USP Antimicrobial Effectiveness Test for a Category 1 product.

<table>
<thead>
<tr>
<th>Microorganism</th>
<th>Log Reduction (30 sec.)</th>
<th>Time to Kill</th>
<th>% Inactivation (30 sec.)</th>
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<tbody>
<tr>
<td><em>Staphylococcus aureus</em></td>
<td>6.34</td>
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<tr>
<td><em>MRSA</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Enterococcus faecalis</em></td>
<td>6.36</td>
<td>30 seconds</td>
<td>99.9999</td>
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<tr>
<td><em>VRE</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Acinetobacter baumannii</em></td>
<td>6.37</td>
<td>30 seconds</td>
<td>99.9999</td>
</tr>
<tr>
<td><em>Pseudomonas aeruginosa</em></td>
<td>5.81</td>
<td>30 seconds</td>
<td>99.9998</td>
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</tbody>
</table>
### Microcyn® Technology

Science behind Dermacyn® Wound Care and Microcyn® Skin & Wound HydroGel™ OTC

<table>
<thead>
<tr>
<th>Name of Organism</th>
<th>Log Reduction (30 sec.)</th>
<th>Time to Kill</th>
<th>Percent Reduction</th>
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</thead>
<tbody>
<tr>
<td>Staphylococcus aureus MRSA</td>
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<tr>
<td>Enterococcus faecalis VRE</td>
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</tr>
<tr>
<td>Staphylococcus aureus</td>
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<td>Escherichia coli</td>
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<td>Acinetobacter baumannii</td>
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<td>100.00%</td>
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<td>Bacteroides fragilis</td>
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<tr>
<td>Candida albicans</td>
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<td>Enterobacter aerogenes</td>
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<td>Enterococcus faecium VRE - MDR</td>
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<td>Klebsiella pneumoniae</td>
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<td>Micrococcus luteus</td>
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<td>Proteus mirabilis</td>
<td>6.20</td>
<td>30 seconds</td>
<td>100.00%</td>
</tr>
<tr>
<td>Pseudomonas aeruginosa</td>
<td>5.81</td>
<td>30 seconds</td>
<td>100.00%</td>
</tr>
<tr>
<td>Serratia marcescens</td>
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<td>30 seconds</td>
<td>100.00%</td>
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<tr>
<td>Staphylococcus epidermidis</td>
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<td>Staphylococcus saprophyticus</td>
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<td>30 seconds</td>
<td>100.00%</td>
</tr>
<tr>
<td>Streptococcus pyogenes</td>
<td>6.72</td>
<td>30 seconds</td>
<td>100.00%</td>
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</table>
Treatment Application & Wounds Classification

Dermacyn® Wound Care

Microcyn® Skin & Wound HydroGel™
There are several complications which can arise even on a seemingly normal wound. Bacterial infection of wound can impede the healing process and lead to life threatening complications. Individuals who have wounds that are not healing should be investigated to find the causes. Many microbiological agents can be responsible for this. Non-healing wounds of the diabetic foot are considered one of the most significant complications of diabetes, representing a major worldwide medical, social, and economic burden that greatly affects patient quality of life. Associated with inadequate circulation, poorly functioning veins, and immobility, non-healing wounds occur most frequently in the elderly and in people with diabetes—populations that are sharply rising as the nation ages and chronic diseases increase. Proper wound care is necessary to prevent infection, assure there are no other associated injuries, and to promote healing of the skin. When wounds persist, a specialized approach is required for healing.

**Wounds Classification**

- **Red Wounds:** ‘simple’ non-complex wounds
- **Yellow Wounds:** mostly infected
- **Black Wounds:** with necrotic tissues
- **Green Wounds:** infected & specific type of bacteria growing in the wound

**Specific Wound Types:**

- Burns · Corrosion · Chemical burn · Traumatic amputation
- Chronic Wounds (Pressure ulcers, Diabetic ulcers, Venous and arterial ulcers)
- Hand injury · Head injury · Chest trauma · Abdominal trauma
General Instructions for Use

Pain Management: Dermacyn® Wound Care will significantly reduce pain and swelling.

For debridement:
Dermacyn® is applied onto the wound in sufficient quantities to wash the wound bed clean of debris. This procedure helps reduce bad odor and the amount of secretion. The wound is best allowed to air dry (approximately 2 minutes) before applying the dressing. In special cases, fistulas can be thoroughly irrigated with Dermacyn using a syringe.

For dressing change:
Soak, Spray or rinse with Dermacyn® to clean the lesion up to three times a day. The wound should remain moistened with Dermacyn for 5-10 minutes either by repeatedly rinsing it with the solution, or by covering it with a gauze soaked in the solution. Depending upon severity during the first week the wound can also be soaked daily in Dermacyn® for approximately 5-10 minutes. No further rinsing with saline solution or sterile water is required.

General Dosing Recommendations:
Dermacyn® Wound Care should be used directly out of the bottle in which it is packaged, and not transferred to other containers for applications. Dermacyn® Wound Care may be poured directly onto the wound. It is also possible to moisten or saturate gauze with Dermacyn® Wound Care and apply the moistened or saturated gauze to the wound. Dosing quantities will vary depending on the size, depth and location of the wound. It is important when applying Dermacyn® Wound Care to a wound that you observe the appearance of the wound and its tissue.

Frequency of application of Dermacyn Wound Care is dependent upon the type of wound and its color.

In general the following regimen for application of Dermacyn® Wound Care is recommended:
- With every dressing change
- Red wounds: once a day
- Yellow wounds: two or three times a day
- Black (necrotic) wounds: two or three times a day

Debridement is necessary in Yellow and Black wounds, Dermacyn® Wound Care can be used to clean the wound before, during and after any sharp and mechanical debridement.
Wound Care Management
Red Wounds

Red wound can be described as ‘simple’ non-complex wounds. Red wounds are pale pink to beefy red in color. Granulation tissue is clearly visible. The red color describes a wound bed with healthy tissue, most commonly in the proliferative phase of healing.

The goal in the treatment of Red wounds is to continue the proliferation of healthy tissue while preventing the start of an infection with pathogenic micro-organisms.

Using Dermacyn Wound Care on a Red Wound

Materials needed:
- Dermacyn Wound Care
- Microcyn Skin & Wound HydroGel OTC
- Gauze (woven) for wound cleaning
- Gauze (non-woven) if Dermacyn Wound Care is applied in combination with a dressing (see step 6 of Guidelines)
- Bandage/dressing to cover the wound, per the selection of the health care provider

Guidelines:
1. Clean the wound bed with Dermacyn Wound Care by pouring the solution directly onto the wound to saturate the wound with solution. Gauze saturated with Dermacyn Wound Care can also be placed directly onto the wound bed.

2. For additional cleaning or debriding, take gauze saturated with Dermacyn Wound Care and clean the wound in a circular motion, starting from the inside of the wound and working toward the edges until the wound is thoroughly cleansed.

3. It is important that the Dermacyn Wound Care solution remains in contact with the wound for at least 5-10 minutes. Do not wash Dermacyn Wound Care off the wound. You can either allow Dermacyn Wound Care to air-dry on the wound after cleaning or leave Dermacyn Wound Care saturated gauze in place over the wound for 5-10 minutes.

4. Dosing quantities will vary depending on the size of the wound. Usually 15-25 ml of Dermacyn Wound Care is needed for moistening gauze pads. The amount recommended is for 10x10 cm gauze pads.

5. After 5-10 minutes remove the Dermacyn Wound Care saturated gauze in preparation for dressing the wound.
6. It is recommended to pour a small fresh dose of Dermacyn Wound Care onto the wound just prior to applying a dressing, allowing the wound bed to remain wet with the solution when proceeding with the dressing of your choice. Dermacyn Wound Care can also be poured directly on gauze, and dressed with the moistened gauze.

7. In Red wounds, Dermacyn Wound Care should be used just once per day. If dressing changes are less frequent than once per day, Dermacyn Wound Care should be used to clean the wound during each dressing change and apply Microcyn Skin & Wound HydroGel OTC moisturize the wound and skin area for fast healing.

Dermacyn Wound Care may also be used to moisten and loosen any bandages that may have adhered to the wound bed between dressing changes. After removal of the old dressing, clean and debride the wound as described in the guidelines.

Continue this treatment until the wound is closed completely.
Yellow Wounds

Yellow wounds can be described as wounds marked by pale ivory, yellowish green or brownish color. Yellow wounds can be either wet or dry. Yellow wounds can produce a large amount of exudate, which is the accumulation of fluids in the wound containing serum, cellular debris, bacteria and white blood cells. The exudate can appear dry and dehydrated or be moist and draining.

Because Yellow wounds are commonly infected, systemic anti-bacterial treatment may be necessary. For this reason it is important to take microbial samples for culture and analysis so systemic anti-bacterial treatment can be properly prescribed, if indicated.

Treatment of yellow wounds is more complex than Red wound management. Treatment is focused on aggressive debridement, treatment of the microbial infection and the reduction of exudate. Wound cleaning in Yellow wounds is a very important step in the treatment and dressing change process.

Using Dermacyn Wound Care on a Yellow Wound

Materials needed:
- Dermacyn Wound Care
- Microcyn Skin & Wound HydroGel OTC
- Gauze (woven) for wound cleaning
- Gauze (non-woven) if Dermacyn Wound Care is applied in combination with a dressing
- Dressing (i.e. hydrogel/ foam dressing/ alginate/ etc.) per the decision of the healthcare provider
- Bandage/dressing to cover the wound, per the selection of the health care provider

Guidelines:

1. Remove old dressing and exudate. If the yellow material or dressing is stuck to the wound, first apply Dermacyn Wound Care to loosen the adhesions, so the bandage can be removed without trauma to the wound bed.

2. Soften the hardened exudate. It is also recommended to cover any dry yellow material with Dermacyn Wound Care—saturated gauze for approximately 5 minutes to enable this material to soften, thereby making removal or debridement easier. If, after 5 minutes of saturating with Dermacyn Wound Care, the material is not adequately softened, this procedure can be repeated.

3. Debride the wound. Debridging can be done several ways: Dermacyn Wound Care can be used to clean the wound before, during and after any sharp debridement. Dermacyn Wound Care can also be used as the debriding solution with any mechanical debridement machines (i.e. lavage systems, pulsed spray, etc.) Mechanical debridement with Dermacyn Wound Care soaked gauze also an option. After saturating gauze with Dermacyn Wound
Yellow Wounds

Care, clean the wound in a circular motion, starting from the inside of the wound moving outwards toward the wound borders. The yellow exudate or slough should all be thoroughly removed. It may be necessary to repeat the process. Depending on the size of the wound at least 150-250 ml Dermacyn Wound Care is needed. There is no limitation to the volume of solution that can be used.

4. To reduce the microbial load after cleaning and debriding the wound, cover the wound with Dermacyn Wound Care-moistened gauze and leave it there for 5-15 minutes. Usually 15-25ml of Dermacyn Wound Care is needed for moistening gauze pads. (This depends on the size of the gauze. The amount recommend is for 10x10 cm gauze pads)

5. After 5-15 minutes, remove the moistened gauze from the wound to prepare for dressing. It is recommended to apply a fresh dose of Dermacyn Wound Care to the wound in preparation for applying the wound dressing of choice. The wound can be covered using dressings moistened with additional Dermacyn Wound Care, if desired.

6. Dermacyn Wound Care can be used up to 3 times per day on yellow wounds. Dermacyn Wound Care should be used to clean the wound during each dressing change and apply Microcyn Skin & Wound Hydro-Gel OTC moisturize the wound and skin area for fast healing.

7. Once the wound healing progresses and the Yellow wound turns Red, follow the instructions for cleaning Red wounds.

Yellow wounds are more challenging than Red wounds. Dermacyn Wound Care should be used as part of a comprehensive wound treatment program.
Green Wounds

Green Wounds are a specific subgroup of Yellow Wounds. These wounds are green owing to the specific type of bacteria growing in these wounds. Green wounds are commonly infected with Pseudomonas aeruginosa. These wounds also are identifiable by their distinctive malodor.

Green wounds should be cleaned and treated in comprehensive treatment plan similar to Yellow wounds. However, due to the odor and tenacious nature of the exudate, it is recommended that green wounds be immersed in Dermacyn Wound Care.

Using the Immersion Technique:

1. In order to immerse a wound in Dermacyn Wound Care for cleaning, the wound must first be isolated in a plastic bag or in a container.

2. Dermacyn Wound Care should then be added to the bag or the container until the wound is fully covered with the solution.

3. The wound should stay immersed in Dermacyn Wound Care solution for a maximum of 5-10 minutes.

4. After a thorough soaking, the wound should be wiped clean using Dermacyn Wound Care-soaked gauze. Continue following the instructions outline under yellow wounds.
Green Wounds
Black Wounds

Black wounds are wounds with necrotic tissue. Necrotic tissue is dead tissue which is usually colored black but may vary from gray to dark brown. The necrotic tissue itself is often dry, and the tissue below the necrotic tissue is generally not healthy. Surgical/Sharp debridement to remove the non-viable tissue is required. Dermacyn Wound Care can be used to clean the wound before, during and after any sharp debridement. The solution can be used for manual debriding with gauze and can also be used in conjunction with mechanical debriding equipment (i.e. pulse lavage systems, etc.) For information on Dermacyn Wound Care intended for use with debridement equipment ask your local Dermacyn Wound Care distributor.

Using Dermacyn Wound Care on a Black Wound

Materials needed:
- Dermacyn Wound Care
- Microcyn Skin & Wound HydroGel OTC
- Gauze (woven) for wound cleaning
- Gauze (non-woven) if Dermacyn Wound Care is applied in combination with a dressing
- Dressing (i.e. hydrogel/ foam dressing/ alginate/ etc.) per the decision of the healthcare provider
- Bandage/dressing to cover the wound, per the selection of the health care provider

Guidelines:

1. Remove the hard black necrotic top layer (eschar). This layer is often quite hard and it is difficult for a scalpel to cut through it easily. In those cases Dermacyn Wound Care can be used to moisten and soften the tissue prior to debridement:
   - Apply Dermacyn Wound Care-soaked gauze to the necrotic tissue or via immersion technique. (Volume needed is 25-50ml per 10x10 cm gauze) Allow the necrotic tissue to soak in Dermacyn Wound Care for about 5 minutes and recheck to see if the tissue is softened. If not, continue to soak the black tissue in Dermacyn Wound Care for an additional 5 minutes. When the necrotic tissue is softened, continue with the scalpel and forceps, or other mechanical debriding device, to remove the necrosis and continue the debridging procedure of the underlying tissue.

2. After debridement, clean the wound with Dermacyn Wound Care solution by pouring the solution on the freshly debrided tissue. It is important to continue rinsing the wound bed with Dermacyn Wound Care until the wound bed is clean and free of debris. Depending on the size of the wound approximately 250-500 ml of Dermacyn Wound Care is needed. Remember: There is no limitation to the volume of this solution that can be used, especially for these types of infected wounds.

3. After cleaning the wound, add Dermacyn Wound Care-moistened gauze (depending on wound size) to the wound and leave it there for 5-15 minutes, to allow full cleansing of the
new debrided tissue and help control any residual bleeding. For moistening gauze 15-25 ml Dermacyn Wound Care is recommended. (This is dependent on the size of the gauze. The amount advised is for 10x10 cm gauze pads)

4. After 5-15 minutes, remove the moistened gauze. The wound is now ready to dressing. Dermacyn Wound Care-moistened gauze can be used, if desired, to dress the wound.

5. Dermacyn Wound Care can be applied up to three times a day on these types of wounds. Dermacyn Wound Care should be used to clean the wound during each dressing change and apply Microcyn Skin & Wound HydroGel OTC moisturize the wound and skin area for fast healing.

6. As the wound progresses, cleaning guidelines for the other wound types should be applied.

- If the dressing or gauze adheres to the wound, moisten with Dermacyn Wound Care for several minutes before removal to avoid trauma to the underlying tissues. After removal of the old gauze, debride and clean the wound as described above.

**Additional treatment options:**
- In certain cases the wound can be too large or too deep to treat only with Dermacyn Wound Care. After soaking with Dermacyn Wound Care-moistened gauze (Guideline 3), the wound can be treated per the professional decision of the health care provider.
- After all treatments have been applied to the wound, it should be covered with a protective dressing or bandage per the professional decision of the health care provider.
- During dressing changes, always use Dermacyn Wound Care for cleaning and debriding the wound. After cleaning of the tissue apply dressings per the decision of the health care provider.
- When the wound becomes Red or any other color, follow the instructions specific for that wound type.
Diabetic Foot Ulcers

Diabetic Foot Ulcers have unique challenges due to the presence of Diabetes Mellitus, neuropathy and frequently also a poor blood circulation (both arterial and venous). In all cases it is important to try to control blood glucose levels for optimal healing. Patients should be instructed to perform daily foot inspections. During regular outpatient clinic visits patients’ feet should be thoroughly examined for identification of potential problems.

Depending on the seriousness of the ulcer either an intensive debridement or (minor) amputation may be required. In all cases Dermacyn Wound Care is useful for cleaning and debriding the wound.

• Check for procedures the Red, Yellow, Green and Black wound type guidelines.

In specific cases (deep wounds or wounds that are difficult to reach) the foot can be placed in on a foot-bath (immersion) for 5 to 10 minutes, no longer. For immersion it is recommended it be done only once per day for a maximum of 3 days. Volume needed is dependent on the location of the ulcer on the foot. Approximately 250-1000 ml is used per immersion treatment.

After any debridement the wound bed should be cleaned with Dermacyn Wound Care-moistened gauze. The gauze should stay on the wound for 5 -15 minutes. The wound can then be covered with another moistened gauze or any other dressing or bandage, per the decision of the health care professional.

Depending on the seriousness of the wound:
• Follow the appropriate Guidelines for Red, Yellow, Green, or Black wound types.
Venous Leg Ulcers

Venous Leg Ulcers are known for their challenging healing process owing to chronic venous insufficiency and venous hypertension, which is the cause of these ulcers and the reason they do not heal. Quite often these wounds persist for years and are associated with severe pain and significant decrease in quality of life. Venous ulcers require a comprehensive treatment regimen and compression therapy is always major component of the treatment plan. Dermacyn Wound Care is an ideal treatment adjunct for these types of wounds. The solution can be used to clean and prepare the wound and also for use with debridement as described under Red, Yellow, and Black wound types. Dermacyn Wound Care also can be used in combination with a ‘moistened bandage system’:

Materials needed:
- Dermacyn Wound Care
- Non--woven gauze
- A drain line with small wholes for Dermacyn Wound Care distribution
- Cotton wads bandages
- Stretched bandages

Guidelines:

1. Clean the wound as described under Red, Yellow, Green, and Black wounds by pouring Dermacyn Wound Care directly on the wound or by applying Dermacyn Wound Care-moistened gauze.
2. After cleaning the wound apply Dermacyn Wound Care-moistened gauze on the wound and leave for 5-15 minutes (15-25 ml per 10x10 cm gauze)
3. Remove the gauze and apply a fresh Dermacyn Wound Care-moistened gauze to the wound.
4. Apply the drain line on the moistened gauze in a way the open wholes are located on the gauze.
5. Apply new Dermacyn Wound Care-moistened gauze on the drain line.
6. Apply a cotton wads bandage to cover the wet gauze.
7. Tape the leg effectively with a stretch bandage (swathe). Pressure of about 40mm Hg is recommended. Staying mobile stimulate the blood circulation.
8. Apply 3 times per day approximately 20-25 ml Dermacyn Wound Care to the gauze by injecting Dermacyn Wound Care in the drain line.
9. Change bandages every other day, review and debride the wound before applying a new bandage.

When applying Dermacyn Wound Care to Venous Leg Ulcers, some patients reported a pain sensation. In clinical studies this was the case in about 20% of treatments. This sensation disappeared in almost all cases at the 2nd or 3rd application and did not influence the wound healing process.
Burns

Dermacyn Wound Care is also effective in the treatment of burns. Burns require a comprehensive treatment approach that includes aggressive debridement of the wounds and control of infection.

Dermacyn Wound Care can be used the moment the patient presents with these wounds.

Guidelines:

1. Flush the burned area generously with Dermacyn Wound Care by pouring it onto the burned tissue (2 to 3 minutes).

2. Dermacyn Wound Care soaked gauze can also be used to mechanically clean the wounds, moving in a circular motion from the inside of the wound to the outside borders.

3. After cleaning the wound apply Dermacyn Wound Care moistened gauze and Microcyn Hydrogel to the tissue for 5-15 minutes.

4. After saturating the wounds for the required time, they are ready for dressing or further treatment per the discretion of the health care provider.

5. If moistened gauzes are used in dressing process, they should be changed or remoistened 2-3 times a day.

5. Dermacyn Wound Care should be used to clean the wound during each dressing change and apply Microcyn Skin & Wound HydroGel OTC moisturize the wound and skin area for fast healing. However once red wounds are present and exudate is minimal, Dermacyn Wound Care dosing should be reduced to once a day.
Specific Wound Types:

Burns
Case Studies

Below is a series of illustrated photos of successful wound care patients:

Amputation procedure cancelled post-treatment after using Dermacyn® and Microcyn®

Comprehensive treatment regimen including daily use of Microcyn Technology

Ulcér is 22 years old
After 3 months treatment
Ulcér is 35 years old
After 3 months treatment

Carbuncle Abscess removal and treatment using Dermacyn® and Microcyn®

More Information or Ordering:
Tel: (+965) 22240222, Mob: (+965) 50855610
Infected Abdominal Wound Treatment using Dermagyn® and Microcyn®

- Morbidly obese 45 years old female.
- History: DM Type II, hypertension, hepatitis C.
- Admitted on July 27, 2009 with severely infected lower abdominal wound with pus discharge post abdominoplasty which was performed 20 days before her admission to ER.
- Fever 38°, with shivering.

More Information or Ordering:
Tel: (+965) 22240222, Mob: (+965) 50855610
Case Studies

Below is a series of illustrated photos of successful wound care patients:

Partial Thickness Burn Treatment using Dermacyn® and Microcyn®

1A: one 2 years old girl, TBSA 33% partial thickness burn after boiling water exposition.

1B: On day 3, typical brilliant red color in burn area being present.

1C: Aseptic scars disappear during 1 and 2 week and they were not retired.

1D: Wounds re epithelization generally occurs in week 3-4. During follow-up, new skins characteristics were similar to remaining skin, even of a different color.

Partial Thickness Burn Treatment using Dermacyn® and Microcyn®

2A: A 12 years old girl, 43.5% partial thickness burns and TBSA plain after her clothes were burned with an electric discharge.

2B: Granulation tissue with aseptic scar formation appears in all lesions in day 5.

2C: On day 21, complete epithelization in neck, armpit, and leg with no deforming scars or needed use of leg skin grafting.

2D: Note excellent cosmetic results after 1 year of treatment.

More Information or Ordering:
Tel: (+965) 22240222, Mob: (+965) 50855610
What can Dermacyn Wound Care and Microcyn Skin & Wound HydroGel be used for?
- Dermacyn Wound Care and Microcyn Skin & Wound HydroGel has obtained US FDA clearance for moistening, cleaning, and debriding acute and chronic wounds including Stage I - V pressure ulcers, stasis ulcers, diabetic ulcers, post surgical wounds, burns, abrasions, and minor irritations of the skin.

How is Dermacyn Wound Care and Microcyn Skin & Wound HydroGel applied?
- Dermacyn Wound Care and Microcyn Skin & Wound HydroGel is used as part of comprehensive treatment. It can be applied directly to the wound or used in conjunction with absorbent wound dressings and other wound care products.

Is Dermacyn Wound Care and Microcyn Skin & Wound HydroGel classified Sterile?
- Dermacyn Wound Care and Microcyn Skin & Wound HydroGel is classified as sterile product by the FDA.

What is the shelf life of Dermacyn Wound Care?
- Two years from the date of manufacturer.

What is the pH of Dermacyn Wound Care?
- Dermacyn Wound Care and Microcyn Skin & Wound HydroGel pH is between 6.2 - 7.8/neutral solution

How should Dermacyn Wound Care and Microcyn Skin & Wound HydroGel be stored?
- Dermacyn Wound Care and Microcyn Skin & Wound HydroGel should be stored in its original container in a cool dry place at room temperature, away from sunlight.

This product contains bleach, which is harmful to tissue. How can this be OK?
- The levels detected in Dermacyn are considered safe. All FDA toxicology tests have been completed.

Are there any side effects or known sensitivity to Dermacyn Wound Care and Microcyn Skin & Wound HydroGel?
- Pre-clinical studies suggest that Dermacyn and Microcyn is non-irritating, and non-sensitizing. In rare cases, a patient may experience transitory mild burning sensation upon application of Dermacyn Wound Care. No other side effects have been reported.

Is Dermacyn Wound Care and Microcyn Skin & Wound HydroGel sensitive to cold or heat?
- Dermacyn and Microcyn should be kept at room temperature. Extreme temperatures can affect the properties of the product.

How was Dermacyn Wound Care and Microcyn Skin & Wound HydroGel developed?
- The product has been developed through proprietary technology which is patented by Oculus.

Can it be used on open cavity wounds like the chest or abdomen?
- The product is approved for use on any acute and chronic wounds.
Certificate No. 4523-9-2010 E01837495

CERTIFICATE TO FOREIGN GOVERNMENT

In order to allow the importation of United States products into foreign countries, the U.S. Food and Drug Administration (FDA) certifies the following information concerning the product(s) to be exported listed below:

Name of Product(s)  | Name of Manufacturer/Distributor Address
--- | ---
Microcyn Skin and Wound Care with Preservatives | Oculus Innovative Sciences
 | 1129 N. McDowell Blvd.
 | Petaluma, California 94954, USA

The product(s) described above (and the manufacturing/distribution site(s) which produces/distributes it) is subject to the jurisdiction of the FDA under the Federal Food, Drug, and Cosmetic Act.

It is certified that the above product(s) may be marketed in, and legally exported from, the United States of America at this time. The manufacturing plant(s) in which the product(s) is produced is subject to periodic inspections. The last such inspection showed that the plant(s), at that time, appeared to be in substantial compliance with current good manufacturing practice requirements for the products(s) listed above.

Chester T. Reynolds
Acting Deputy Director,
Division of Risk Management Operations
Office of Compliance
Center for Devices and Radiological Health

This certificate expires 24 months from the date notarized.

COUNTY OF MONTGOMERY
STATE OF MARYLAND

Subscribed and sworn to before me this 30 day of Sept month 2010 year.

CATHYNN N. MORRIS
NOTARY PUBLIC STATE OF MARYLAND
County of Montgomery
My Commission Expires January 4, 2013
Full Quality Assurance

No. CE 562825

Issued to:
Oculus Innovative Sciences, Inc.
1129 North McDowell Boulevard
Petaluma
California
94954
USA

In respect of:
The design, development and manufacture of oxidised solutions for wound care use

For and on behalf of the British Standards Institution, a Notified Body for the above Directive (Notified Body Number 0086):

David W. Ford, Executive Director, Healthcare and Testing Services

First Issued: 30 Jul 2010
Expiration Date: 29 Jul 2015
Date: 30 Jul 2010

Page: 1 of 1

Conditions of Approval

Validity of this certificate is conditional on the quality system being maintained to the requirements of the Directive.
This approval excludes all products designed and/or manufactured by a third party on behalf of the company named on this certificate, unless specifically agreed with BSI.

raising standards worldwide™
United States

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