

# A NEW ERA In Skin Disinfection

## ULTIMATE SKIN DISINFECTION

- ✓ Bactericidal
- ✓ Fungicidal
- ✓ Virucidal
- ✓ Sporicidal

## COMPLETE SKIN COMPATIBILITY

- ✓ Skin neutral pH
- ✓ Dermatologically tested
- ✓ No alcohol, parabens, fragrances
- ✓ Non-cytotoxic to regrowing skin

## ADDITIONAL BENEFITS

- ✓ Optimal hygiene and patient safety
- ✓ Provides ideal condition for rapid skin recovery
- ✓ Not susceptible to antimicrobial resistance
- ✓ Non-staining, stinging or irritating

## PROVEN SKIN SAFETY

- ✓ Non-toxic
- ✓ Non-irritant to skin
- ✓ Non-irritant to eyes
- ✓ Non-cytotoxic.



500ml bottle for CLINIC USE

Visit: [www.DermapenWorld.com](http://www.DermapenWorld.com) or  
contact an Authorised DermapenWorld Distributor



**Dermapenworld**  
ORIGINAL TRUSTED  
**AUSTRALIAN**

Latest Hypochlorous Technology for Increased Patient Safety and Comfort

# INTRODUCING CLINIPREP™

## Rewriting Skin Disinfection Practice

*Offering higher levels of cleansing, a non-hazardous safety profile and better patient outcomes, CliniPrep™ is setting a new benchmark in aesthetic skin disinfection practices.*

Over the decades we have seen amazing advancements in aesthetics skincare, including the introduction of hyaluronic acid and the rise of Botox and dermal fillers.

However, when it comes to the products we use to disinfect patients' skin very little has changed since the introduction of chlorhexidine gluconate way back in the 1950s. Until now!

Following six years of research and development, CliniPrep™ introduces a completely new stabilised hypochlorous skin disinfection to the aesthetics sector. The release of this ground-breaking cleanser heralds a new era in skin disinfection efficacy and skin compatibility.

As CliniPrep™ products are bactericidal, fungicidal, virucidal and sporicidal, it delivers far better and quicker protection against infection when compared to traditional skin cleansing products, such as iodine and chlorhexidine gluconate. Significantly, it is also skin neutral pH, and non-irritant to skin because the human immune system actually uses the same hypochlorous chemistry to fight infection.

Recognising the importance of this new technology, Dp Dermaceuticals has launched CliniPrep within the Aesthetic/Dermatological market as part of its commitment to providing the highest quality and safest products for use pre-, during and post- skin rejuvenation procedures.

According to Director of Dp Dermaceuticals, Corri Matthews, CliniPrep is creating improved safety protocols not only for skin needling, but also for injectable, laser, hair restoration, and all aesthetic procedures.

### OFFERING SUPERIOR PROTECTION AGAINST INFECTION

How can something so lethal to pathogens be safe for humans? The key is in its method of action. Although it is a very weak acid, CliniPrep is strongly oxidising so it can readily penetrate and break down the cell walls of pathogens.

### A NEW APPROACH - STABILISED HYPOCHLOROUS ACID

Hypochlorous acid (HOCl) has long been known as an effective disinfecting chemistry with the British Medical Journal first publishing a paper on its benefits in 1915.<sup>1</sup> However, in its natural state it is also highly unstable and therefore, until recently it has not been possible to successfully harness its benefits into a commercially available product.

CliniPrep contains a unique high purity, stable version of hypochlorous acid, which instead of lasting a matter of hours, has a proven shelf life of over two years, whilst fully retaining its multi-pathogen efficacy.

Although only recently introduced to the aesthetics sector, this technology is already well proven within ear-piercing environments, where it has been used as an aftercare lotion on more than two million ear piercings to date with zero incidence of reported infection, and a reported reduction in claimed healing time from six weeks to three weeks.<sup>2</sup> There are also several studies that demonstrate the disinfecting and dermatological benefits of HOCl particularly related to wound care and leg ulcers.<sup>1,3-7</sup>

Human cells are not affected because they are 10 times larger and much more robust than those of pathogens. It is also worth noting that because of CliniPrep's oxidising method of action, it is not subject to antimicrobial resistance and therefore it is not possible for pathogens to become tolerant of it – a major bonus in this heavily antibiotic reliant world.

### GENTLER AND SAFER FOR SKIN

CliniPrep is safer to handle and use than other skin cleansers and disinfectants, many of which carry warnings of toxicity and eye damage.

It is also incredibly gentle on the skin and doesn't contain alcohol or parabens eliminating any stinging, sensitivity, irritation or dryness of the skin and eyes. Nor does it cause respiratory irritation.

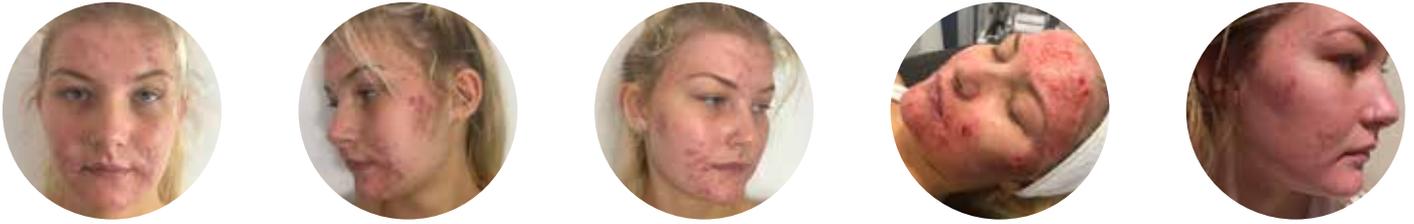
However, what really sets CliniPrep apart from almost every other available skin cleanser, is that it is non-cytotoxic to regrowing skin – it kills the pathogens that inhibit skin recovery but does not interfere with cell regrowth. As a result, it is especially beneficial in applications where treated areas are vulnerable to infection whilst the skin recovers such as micro-needling procedures or chemical peels.

Micro-Needling Specialist, Dr Andrew Christie who is on the Anti-Contamination Management (ACM™) Advisory Board, said the product's ability to disinfect without damaging regenerating skin is a tremendous advantage in aesthetic applications, where intentional damage is often being caused to the dermal layer.

He believed it will set a new benchmark in Aesthetic and Clinical Infection Control Protocols.

"For any aesthetic practitioner, limiting the risk of infection in patients should be a fundamental focus of delivering treatment. CliniPrep allows wound healing to occur more quickly, reduces facial redness in sensitised skin and is non-cytotoxic. This is important as I treat many facial injectable patients who struggle with sensitised skin and rosacea, which will become irritated and inflamed following skin disinfection using alcohol-based skin preparation solutions," Dr Christie said.

# CLINIPREP™ TRANSFORMATION



Skin is transformed using CliniPrep: Pics 1-3. Chronic cystic acne prior to treatment. 4. CliniPrep used PRE-DURING & POST Dermapen™ Treatment. 5. After 2 Dermapen treatments and Dp Dermaceuticals personal skincare program including daily use of CliniPrep. Photos courtesy of DermapenWorld.

## A SUPERIOR ALTERNATIVE FOR INFECTION CONTROL

We all know how important effective skin cleansing is to patient safety throughout the delivery of aesthetic procedures. Any penetration of the dermal layer no matter how small can allow the ingress of infection, and lead to complications such as longer healing times, antibiotic treatment or even permanent scarring.

And unfortunately, there has been a recent increase in the incidence of reported aesthetic infections. In January 2017, Public Health England investigated three separate cases of blood-borne viruses being transmitted by micro-needling.<sup>8</sup>

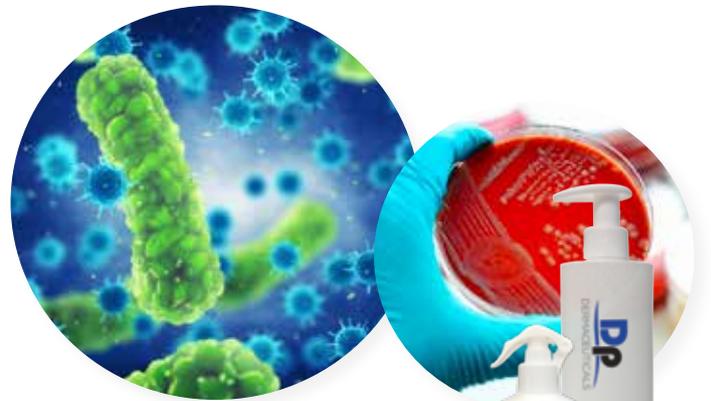
An issue with the traditional forms of disinfectants, such as iodine and chlorhexidine gluconate is that they are weak poisons that strike a fine line between being a high enough concentration to kill harmful bacteria, fungi or viruses, but a low enough concentration to avoid damage to the tissue. This is why, unlike CliniPrep very few of these chemistries are safe for contact with the eyes, mucous membranes or on broken tissue. And they may even cause more serious reactions.

In February 2017, the Food & Drug Administration (FDA) issued a warning regarding an increasing incidence of an allergic reaction to chlorhexidine gluconate resulting in hospital treatment, with some of these resulting in anaphylaxis.<sup>9</sup>

CliniPrep offers a safer and more effective skin disinfectant alternative.

## CLINICALLY TESTED FOR EFFICACY AND SAFETY

CliniPrep has been comprehensively tested by independent laboratories to prove its efficacy and safety. Highly effective antimicrobial cleansing.



## OUR CLINIPREP PRODUCTS

CliniPrep is available in two formats:

- ✓ CliniPrep for in-clinic use in commercial size 500ml bottle for use pre-, during and post-treatments
- ✓ CliniPrep in handy spray 100ml bottle that can be used for aftercare and maintenance by the patient to use two to three times a day at home. The spray head of this bottle delivers a finely atomised mist, thereby enabling CliniPrep to either be sprayed onto a cotton wool pad or sprayed directly onto the treatment area.

## QUALITY STANDARDS:

CliniPrep has been comprehensively tested by independent laboratories to prove its efficacy and safety. Highly effective antimicrobial cleansing:  
· BS EN 1040 · BS EN 1275 · BS EN 1276 · BS EN 13727 · BS EN 1650 · BS EN 13704  
Manufactured to ISO13485 Medical Standards of quality reliability and assurance.

## REFERENCES:

1. Lorrain Smith, A. Murray Drennan, Theodore Rettie and William Campbell, *Experimental Observations on the antiseptic action of Hypochlorous Acid and its application to wound treatment*, Br Med J, Jul 1915; 2:129 - 136. 2. Data on file at Medical Health Technologies and AestheticSource. 3. L. Wang et al. *Hypochlorous Acid as a Potential Wound Care Agent: Part 1. Stabilized Hypochlorous Acid: A Component of the Inorganic Armamentarium of Innate Immunity*, Journal of Burns and Wounds, April 2007. 4. Martin C, Robson et al, *Hypochlorous Acid as a Potential Wound Care Agent: Part 2. Stabilized Hypochlorous Acid: Its Role in Decreasing Tissue Bacterial Bioburden and Overcoming the Inhibition of Infection on Wound Healing*, Journal of Burns and Wounds, April 2007. 5. Selkon JB, Cherry GW, Wilson JM, Hughes MA., *Evaluation of hypochlorous acid washes in the treatment of chronic venous leg ulcers*, J Wound Care, 2006 Jan;15(1):33-7. 6. Serhan Sakarya, Necati Gunay, Meltem Karakulak, Barcin Ozturk, Bulent Ertugrul, *Hypochlorous Acid: An Ideal Wound Care Agent With Powerful Microbicidal, Antibiofilm, and Wound Healing Potency*, Wounds, 2014;26(12):342-350. 7. Mimi Mekawy & Ahmed Kamal, *A Randomized Clinical Trial: The Efficacy of Hypochlorous Acid on Septic Traumatic Wound*, Journal of Education and Practice, 2014, 5:16. 8. *Health officials investigate the risk of blood-borne viruses transmitted from microneedling*, Aesthetics Journal, 20 January 2017. Available online: <https://aestheticsjournal.com/news/health-officials-investigate-the-risk-of-blood-borne-viruses-transmitted-from-microneedling> 9. FDA: *Chlorhexidine Gluconate May Cause Allergic Reactions*, Medscape, February 2, 2017. Available online: <https://www.medscape.com/viewarticle/875307>

# DID YOU KNOW?

CliniPrep is safe on normal and sensitive skin?  
This ground-breaking cleanser can be used  
in the following ways:

## PRE-TREATMENT

Use to remove make-up and oil and to prepare skin treatment to reduce the risk of bacterial infection and potential biofilm formation

## DURING TREATMENT

To ensure complete skin disinfection and minimise irritation, apply CliniPrep at each stage of the procedure

## POST-TREATMENT

Use to disinfect the skin following a procedure to encourage a faster wound healing, to speed up recovery time and minimise post-treatment erythema. Also recommended for patient use, two to three days following treatment, or ongoing whilst acne or problematic skin conditions are present.

## WHAT OTHERS ARE SAYING

*"I would definitely advise all colleagues to place focus on preparing skin for cosmetic procedures. You want to use the best product that is going to deliver the best results, with the best recovery time, in order to minimise the risk of infection. CliniPrep represents an revolution and is a game changer to skin disinfection."*

- Cosmetic Doctor, Dr Tijion Esho, London, UK

## ADVANCED INNOVATIONS FOR OVER 40 YEARS

CliniPrep is brought to you by Dp Dermaceuticals™, part of the DermapenWorld™ family — developers of the original and trusted Dermapen™ technology.

Reflecting our commitment to delivering innovative skin science, Dp Dermaceuticals products have been developed in consultation with leading dermatologists, doctors and aestheticians from around the world.

When used in conjunction with our design-winning Dermapen technology, our extensive range of skincare offers real results that go beyond the skin's surface.

Our commitment to best protocols has established the ACM™ (Anti-Contamination Management) Advisory Board. It utilises the most advanced methods to establish the ultimate in hygiene safety and best treatment outcomes for both treatment providers and patients.

Our parent company, Equipmed, was established in Australia in 1976, and has grown into a significant independent distributor of innovative medical equipment nationally, as well as an established manufacturer with global reach.

# Dermapenworld

FOR MORE INFORMATION or to purchase CliniPrep, contact your Authorised DermapenWorld distributor or visit [www.dermapenworld.com](http://www.dermapenworld.com)

