

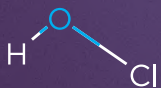
Puracyn[®]
plus

PROFESSIONAL FORMULA

ADVANCING THE SCIENCE
OF WOUND CARE



The Puracyn[®] Plus Professional Formula Family of Products



PuracynPro.com

PRODUCT CATALOG

OVERVIEW

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DEDICATED TO OUTCOMES

Innovacyn, the manufacturer of Puracyn Plus products, is dedicated to improving wound management outcomes around the world. Family-owned and operated, everything we do is inspired by this vision. From hand-building the facilities and growing a dedicated team, to delivering the highest quality products, Innovacyn is poised to change the landscape of wound management.

ADVANCING THE SCIENCE OF WOUND CARE

The Puracyn Plus family of products offer a synergistic wound care management system based on an innovative and powerful science. Puracyn Plus is offered as a liquid Wound Irrigation Solution and Antimicrobial Hydrogel to provide a streamlined approach to wound care protocols.

THE PURACYN® PLUS DIFFERENCE

Puracyn Plus products are proudly made and manufactured in the USA under strict quality guidelines to the FDA QSR, ISO 13485:16. Our state-of-the-art facility is an FDA-registered site and can produce more than four million bottles per month.

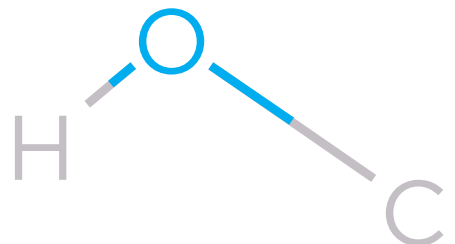
Our company culture embraces quality standards and regulatory compliance from early stages of research and development to finished goods distributed to the market.





AN ADVANCED SOLUTION FOR WOUND BED PREPARATION

Puracyn Plus products provide an economical tool for all types of wound care. The super-oxygenated hypochlorous (HOCl) solutions set the stage for optimal healing conditions in acute, post-acute, and home care settings. Puracyn Plus products are FDA 510(k) cleared and available in liquid and hydrogel formulations – offering the best in safety and effectiveness.



Evidence-based solutions for wound care protocols powered by an advanced hypochlorous technology.

PURACYN PLUS PRODUCTS ARE AS SAFE AS THEY ARE EFFECTIVE

- Non-cytotoxic
- No steroids or antibiotics
- No mixing or diluting
- Supports reduction of wound odor
- Up to 24-month shelf life
- pH balanced (6.2 - 7.2)
- No special disposal required
- Compatible with advanced healing modalities and wound dressings

NON-TOXIC, NON-IRRITATING FORMULA

Puracyn Plus is non-cytotoxic, non-irritating, and non-sensitizing. Additional testing has proven to demonstrate no oral or ocular toxicity.

NO DRUG OR TREATMENT CONTRAINDICATIONS

There are no known drug/treatment contraindications with Puracyn Plus.

LONG SHELF LIFE, STABLE SOLUTION

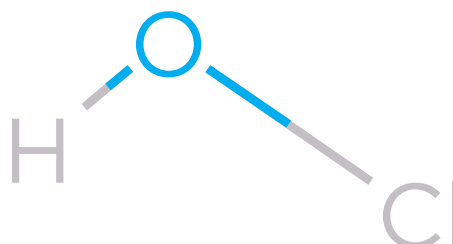
Puracyn Plus is available in various easy-to-use dispensing containers for all types of care settings. Products have a 24-month shelf life on most configurations due to a unique electrochemical manufacturing process that optimizes HOCl and pH levels.

HYPOCHLOROUS TECHNOLOGY



THE POWER OF A MOLECULE

The hypochlorous molecule is naturally produced in the body's neutrophils.¹ Puracyn Plus is a synthesized version of the hypochlorous molecule to provide clinicians an alternative to commercial wound care products that are not biocompatible and may prolong the healing process.



WOUND IRRIGATION CYTOTOXICITY COMPARISON

Topical antiseptics such as Dakin's Solution, hydrogen peroxide, and acetic acid are cytotoxic at typical concentrations and may impede wound healing.^{2,3} On the other hand, the use of saline or tap water is inappropriate for wound bed preparation in the context of bioburden and biofilm.³

WOUND IRRIGANT	RESULTS
Saline (0.9% NaCl, pH 5.0)	Pass
Hypochlorous Acid (0.024%)	Pass
Sodium Hypochlorite (Dakin's) (0.25%)	Fail
Sodium Hypochlorite (Dakin's) (0.5%)	Fail
Hydrogen Peroxide (3%)	Fail
Chlorhexidine Gluconate (0.02%)	Fail
Povidone Iodine (7.5%)	Fail

ANTIMICROBIAL EFFECTIVENESS TESTING

Puracyn Plus contains hypochlorous acid, a known antimicrobial, which serves as a preservative to inhibit the growth of microorganisms within in the solution.

ORGANISMS	THEORETICAL INOCULUM CONCENTRATION PER mL OF TEST ARTICLE	MICROBIAL REDUCTION (15 SECONDS)
<i>K. pneumoniae</i>	1.32 x 10 ⁷	> 99.99999% (7+ log reduction)
<i>E. faecalis</i>	4.10 x 10 ⁷	
<i>S. aureus</i> MRSA	6.55 x 10 ⁷	
<i>S. epidermidis</i>	5.80 x 10 ⁷	
<i>A. baumannii</i>	8.50 x 10 ⁷	
<i>S. aureus</i>	8.75 x 10 ⁷	
<i>P. aeruginosa</i>	5.20 x 10 ⁷	
<i>E. coli</i>	8.90 x 10 ⁷	
<i>C. albicans</i>	2.30 x 10 ⁷	



WHY HYPOCHLOROUS TECHNOLOGY?

Puracyn Plus, with hypochlorous technology, offers innovative wound management solutions to improve the most essential part of the wound treatment process — preparation of the wound bed.

Puracyn Plus can be used to:

- Irrigate the wound bed without causing harm to healthy tissue
- Assist in various debridement procedures to facilitate the removal of debris and non-viable tissue in the wound bed
- Soak wound dressings for improved outcomes, without causing irritation to patient during application
- Maintain moisture balance in the wound bed, helping to facilitate autolytic debridement



T.I.M.E.

Wound bed preparation offers a structured and systematic approach to assist with the management of wounds, so healing can progress through the natural stages.⁴ The wound bed assessment tool developed by the International Advisory Board on Wound Bed Preparation, T.I.M.E., outlines the following target areas for effective wound management.⁵

T	TISSUE MANAGEMENT	Puracyn Plus aids in the cleansing and mechanical removal of dead/neurotic tissue that can impede the ability of a wound or topical skin issue to heal. Properly preparing the affected area with Puracyn Plus is critical for faster healing and to minimize scarring.
I	INFECTION & INFLAMMATION	The hypochlorous technology found in Puracyn Plus products act as a preservative to inhibit the growth of microorganisms within the solution. When micro-cleansing wound and skin tissue, the user can be confident the area is not getting further contaminated which could lead to potential infection.
M	MOISTURE BALANCE	Proper moisture balance in the wound bed is a critical component to optimize the wound healing environment. Puracyn Plus Antimicrobial Hydrogel is specifically indicated to moisten wound dressings and the wound bed surface, providing optimal moisture on tissue over time.
E	EDGE ADVANCEMENT	Edge advancement of a wound leads to full wound closure and can be impeded if tissue, infection, and moisture are not properly addressed. By incorporating Puracyn Plus into the phases of wound management, outcomes and speed to recovery are increased.

THE PURACYN® PLUS FAMILY OF PRODUCTS

WOUND IRRIGATION SOLUTION

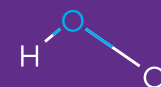
Puracyn Plus Wound Irrigation Solution provides an advanced alternative to commercial wound cleansers that may inhibit wound closure. When used in conjunction with wound irrigation, debridement, and dressing procedures, this pH-balanced solution sets the stage for optimal healing conditions.

Puracyn Plus Wound Irrigation Solution is indicated for use by healthcare professionals for cleansing, irrigating, moistening, and debriding acute and chronic dermal lesions that are partial or full thickness wounds.



WOUND IRRIGATION SOLUTION - POUR				
Size	Item #	UPC	HCPCS Code	Case Quantity
1000 ml (32 oz)	6518	818582011723	A6260	6
500 ml (16.9 oz)	6516	818582010771	A6260	6
250 ml (8.5 oz)	6508	818582010788	A6260	6
120 ml (4 oz)	6504	818582010764	A6260	6
55 ml (2 oz)	6502	818582010856	A6260	12

WOUND IRRIGATION SOLUTION - SPRAY				
Size	Item #	UPC	HCPCS Code	Case Quantity
500 ml (16.9 oz)	6517	818582011020	A6260	6
250 ml (8.5 oz)	6509	818582011013	A6260	6
120 ml (4 oz)	6505	818582011006	A6260	6
55 ml (2 oz)	6503	818582010993	A6260	12



APPLICATION RECOMMENDATIONS

1. Cleanse and irrigate the wound with Puracyn Plus Wound Irrigation Solution
2. Saturate dressing with Puracyn Plus Wound Irrigation Solution and apply to wound
3. Based on levels of bioburden and to reduce malodor, allow Puracyn Plus Wound Irrigation Solution to soak for up to 3-5 minutes
4. Repeat the irrigation to the affected area as needed to keep a clean wound bed environment
**There is no need to rinse out the solution following application*

USES INCLUDE:

- ✦ Acute and chronic wounds
- ✦ Partial and full-thickness wounds
- ✦ First and second-degree burns
- ✦ Neuropathic/Diabetic ulcer and stasis ulcers
- ✦ Stage I-IV pressure injuries
- ✦ Post-surgical wounds
- ✦ Grafted and donor sites
- ✦ Trauma wounds
- ✦ Minor lacerations, abrasions, irritations, and cuts
- ✦ Irrigating wound beds
- ✦ Flushing away debris and other contaminants
- ✦ Hydrating wound dressings
- ✦ Moistening encrusted dressings to help facilitate removal
- ✦ Assisting with advanced healing modalities

INFECTED TRAUMA WOUND



Week 1



Week 4



Week 10

IMPROVING OUTCOMES WITH PURACYN® PLUS

SACRAL STAGE III PRESSURE INJURY CASE STUDY

Wound Management Protocol

- Sharp debridement to remove necrotic tissue
- Cleansed and irrigated with Puracyn Plus Wound Irrigation Solution every 2 hours



Before using Puracyn Plus Wound Irrigation Solution



After seven weeks using Puracyn Plus Wound Irrigation Solution

**No other wound healing modalities were used during the episodes of care.*

CHRONIC VENOUS LEG WOUND CASE STUDY

Wound Management Protocol

- Surgical debridement to remove necrotic tissue
- Irrigated and soaked with Puracyn Plus Wound Irrigation Solution for 10 minutes
- Dressed wound in gauze soaked with Puracyn Plus Wound Irrigation Solution
- Wrapped leg with compression bandage



Before using Puracyn Plus Wound Irrigation Solution



After seven weeks using Puracyn Plus Wound Irrigation Solution



TREATING CHRONIC WOUNDS UTILIZING HYPOCHLOROUS ACID:

An economical approach with a positive patient outcome

PURPOSE

This study was conducted over thirty days in two hospitals, a wound care clinic, and a home health care setting. The purpose of the study was to identify a rapid and cost-effective method for treating and healing chronic wounds. Each patient involved had venous, arterial, diabetic or pressure ulcers, and had been receiving active treatment from four months to several years.

HOSPITAL SETTING: 11 PATIENTS

WOUND CLINIC: 15 PATIENTS

HOME HEALTH: 15 PATIENTS

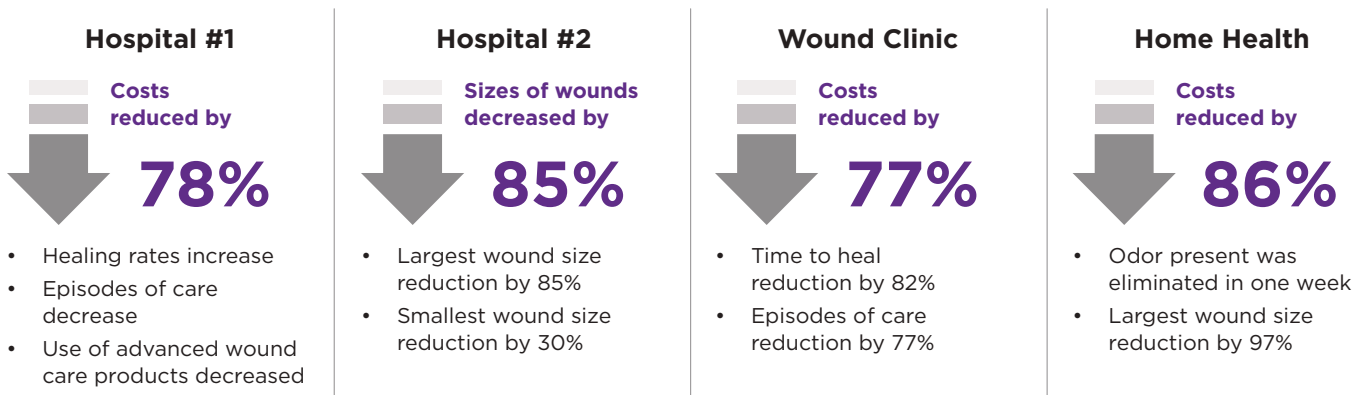
PROTOCOL

Step 1: Cleanse and irrigate with Puracyn Plus Wound Irrigation Solution

Step 2: Five-minute soak with Puracyn Plus Wound Irrigation Solution

Step 3: Application of advance wound care dressing

RESULTS



81%

INTEGRATING PURACYN PLUS INTO WOUND CARE PROTOCOLS REDUCED EXPENDITURES BY 81% ON AVERAGE.

Greenwood B, Estrada R, Bongiovanni C, Moore M, Broadus C. Treating Hypochlorous Wounds Utilizing Hypochlorous Acid: An economical approach with a positive patient outcome. 2015.

PRODUCT ORDER GUIDE

PURACYN® PLUS PRODUCTS

UPC	Item #	Description	Size	Applicator	HCPCS Code	Case Quantity
818582010856	6502	Wound Irrigation & Management Solution	55 ml (2 oz)	Twist Top	A6260	12
818582010993	6503	Wound Irrigation & Management Solution	55 ml (2 oz)	Pump Spray	A6260	12
818582010764	6504	Wound Irrigation & Management Solution	120 ml (4 oz)	Twist Top	A6260	6
818582011006	6505	Wound Irrigation & Management Solution	120 ml (4 oz)	Pump Spray	A6260	6
818582010788	6508	Wound Irrigation & Management Solution	250 ml (8.5 oz)	Twist Top	A6260	6
818582011013	6509	Wound Irrigation & Management Solution	250 ml (8.5 oz)	Pump Spray	A6260	6
818582010771	6516	Wound Irrigation & Management Solution	500 ml (16.9 oz)	Septum Cap	A6260	6
818582011020	6517	Wound Irrigation & Management Solution	500 ml (16.9 oz)	Trigger	A6260	6
818582011723	6518	Wound Irrigation & Management Solution	1000 ml (32 oz)	Septum Cap	A6260	6
818582011327	6525	Wound Irrigation & Management Solution	475 ml (16 oz)	Instill/Spikeable	A6260	6
818582011334	6527	Wound Irrigation & Management Solution	1000 ml (32 oz)	Instill/Spikeable	A6260	6
818582011808	6542	Antimicrobial Hydrogel	90 ml (3 oz)	Twist Cap	A6248	6



1. Thomas EL, Lehrer RI, Rest RF. Human Neutrophil antimicrobial activity. Rev Infect Dis 1988; 10 Suppl 2: S450-6.
2. Wolcott RD, Kennedy JP, Dowd, SE. Regular debridement is the main tool for maintaining a healthy wound bed in most chronic wounds. J Wound Care. 2009; 18(2): 54-56.
3. Wang L, Bassiri M, Najafi R, Najafi K. Hypochlorous acid as a potential wound care agent. Part I. Stabilized hypochlorous acid: A component of the inorganic armamentarium of innate immunity. Journal of Burns and Wounds. 2007; 6: 65-79.
4. Schultz GS, Sibbald RG, Flanagan V, Ayello EA. Wound bed preparation: a systematic approach to wound management. Wound Rep Reg. 2003; 11: 1-28.
5. Dowsett C, Newton H. Wound bed preparation: TIME in practice. Clinical Practice Development. Wounds Int. 2014; 5(3): 58-70.

