

YOUNG® PerioDT™

WITH DESICCATION TECHNOLOGY



EXPERIENCE THE POWER of PerioDT™

Desiccate Bacteria and Plaque Biofilm in Seconds!

YOUNG® PerioDT™ with Desiccation Technology is an advanced, topical dental debridement liquid or gel intended for use as an adjunctive decontamination rinse of tooth and prosthetic surfaces during the performance of certain dental procedures to help remove the smear layer and necrotic debris.

How does PerioDT work?

The action of PerioDT is based upon the simple fast-acting principle of Desiccation Technology (DT). Desiccation is a simple physical process that removes water from the combination of infectious microbial material, dead cellular debris (necrotic material) and other macromolecules found around tooth and prosthetic surfaces in the oral cavity. This process occurs less than one minute after contact with those materials.

Features

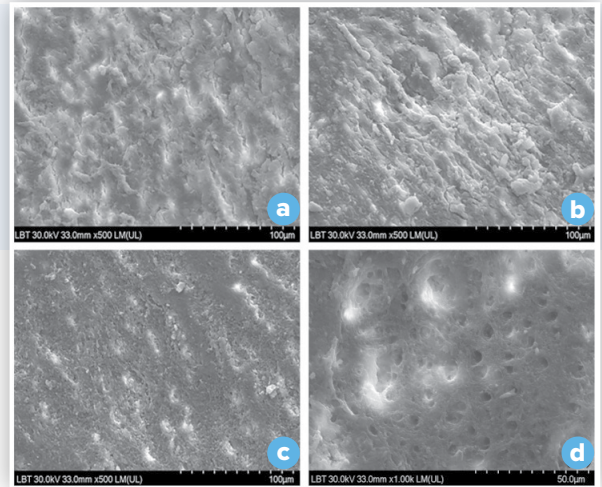
- Safe on dentin, enamel and cementum
- Safe on porcelain, titanium and other metals
- Two viscosity choices, liquid and gel
- Easy to use delivery system
- One syringe can complete a full arch
- Red color to show where it has been placed
- Fast acting – desiccation effect begins immediately upon contact
- Non-systemic, non-antibiotic

Benefits

- Patients can maintain regular home care – no post treatment restrictions for floss, rinses, food or drink
- Acts as hemostatic agent
- Improves treatment outcomes when used as adjunctive rinse to scaling and root planing alone¹

Important Safety Information: PerioDT with Desiccation Technology is for use in the oral cavity only. Safety and effectiveness in pregnant women and children under the age of 18 has not been established.

Product Information: Hydroxybenzenesulphonic Acid, Hydroxymethoxybenzenesulphonic Acid, Sulfuric Acid, Water and FD&C Red #40. Gel contains Colloidal Silica.



Root surface modifications on samples treated with subgingival mechanical instrumentation and subgingival mechanical instrumentation in conjunction with PerioDT.² (a) Brief curette scaling; (b) energetic curette scaling, (c) ultrasonic scaling, (d) curette scaling, and PerioDT application.

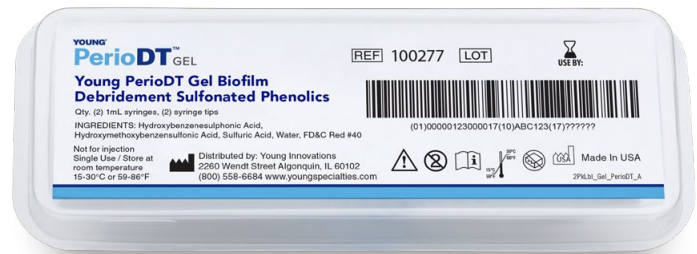
Available for Purchase at
www.youngspecialties.com

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ITEM #	DESCRIPTION	QUANTITY
100277	YOUNG® PerioDT™ Gel	1 mL 2 pack
100278	YOUNG® PerioDT™ Gel	1 mL 10 pack
100279	YOUNG® PerioDT™ Liquid	1 mL 2 pack
100280	YOUNG® PerioDT™ Liquid	1 mL 10 pack

¹The effects of a desiccant agent in the treatment of chronic periodontitis: a randomized, controlled clinical trial. Gaetano Isola 1, 2 & Giovanni Matarese 1 & Ray C. Williams 3 & Vincenzo Iorio Siciliano 4 & Angela Alibrandi 5 & Giancarlo Cordasco 1 & Luca Ramaglia 2. Received: 9 November 2016 / Accepted: 12 June 2017 # Springer-Verlag GmbH Germany 2017. ²Micu IC, Muntean A, Roman A, Stratul ȘI, Pall E, Ciurea A, Soancă A, Negucioiu M, Barbu Tudoran L, Delean AG. A Local Desiccant Antimicrobial Agent as an Alternative to Adjunctive Antibiotics in the Treatment of Periodontitis: A Narrative Review. Antibiotics (Basel). 2023 Feb 24;12(3):456. doi: 10.3390/antibiotics12030456. PMID: 36978324; PMCID: PMC10044681.

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Featuring Kelly Tanner, PhD, RDH



Patient 1: The patient presented with bulbous gingiva, moderate subgingival calculus, and spontaneous bleeding with instrumentation. **PerioDT helped control the bleeding during hand instrumentation, providing improved visualization and instrument control during subgingival debridement.**



Patient 2: The patient presented with tenacious, moderate supra and subgingival calculus. The calculus was challenging to remove because the patient smokes cannabis. **A benefit of PerioDT is that it almost instantaneously softens calculus, reducing hand fatigue, increasing patient comfort, and improving efficiency.**

Learn More at info.youngspecialties.com/periodt

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Kelly Tanner, PhD, RDH

Kelly Tanner, PhD, RDH, is a dental and leadership industry educator, and helps organizations reach goals through understanding employees and behavioral drivers. She works with all sizes and types of organizations, including dental organizations to strategically align people with outcomes and improve the psychological ownership of organizational goals. At a micro level, she helps individuals become high-performance leaders by developing emotional intelligence which directly affects their impact as leaders and as members of an organization and teams.



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Application Process

STEP 01 ISOLATE & DRY

After identifying appropriate patient for PerioDT treatment, isolate the surface where PerioDT will be placed. Dry the surface with air or gauze.



STEP 02 APPLY

Apply PerioDT subgingivally until product flows from the pocket, leaving a thin layer supragingivally. Do not overfill. Leave the product on the surface for no longer than 10-30 seconds.



STEP 03 SUCTION & RINSE

First, start by using a HVE to suction off any remaining product from the surface. Then, thoroughly rinse the mouth out with water. Do not leave any residual product in the patients mouth.



STEP 04 INSTRUMENTATION

Perform scaling and root planing treatment.



STEP 05 REAPPLY

As a final step, repeat PerioDT application steps 1-3 to destroy any remaining biofilm.



NOTE: When utilizing PerioDT for periodontal treatment and/or heavy debridement, it is recommended to thoroughly evacuate and rinse all PerioDT before beginning your scaling procedure. Then, if needed, reapply to periodontally diseased pockets and follow the instructions for use. **Additional adjunct treatments are not necessary or recommended following PerioDT application. Additional medicaments placed in periodontal pockets may increase the risk of post treatment irritation or inflammation. Patients may resume normal home care routines and there are no dietary restrictions immediately post treatment.**

Indication and Workflow for Periodontal Treatment

Identify appropriate patient for PerioDT treatment



Isolate and Dry the Surface



Start by applying PerioDT subgingivally (if applicable) and move supragingivally



Suction and Rinse



Scaling and Root Planing



Repeat the above application steps to apply post SRP

Reference Instructions for Use for additional application tips and safety information at bit.ly/perioddt-ifu

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Frequently Asked Questions

What is PerioDT?

Young PerioDT with Desiccation Technology is an advanced, topical dental debridement liquid or gel intended for use as an adjunctive decontamination rinse of tooth and prosthetic surfaces during the performance of certain dental procedures to help remove the smear layer and necrotic debris.

How does PerioDT work?

The action of PerioDT is based upon the simple fast-acting principle of Desiccation Technology (DT). Desiccation is a simple physical process that removes water from the combination of infectious microbial material, dead cellular debris (necrotic material) and other macromolecules found around tooth and prosthetic surfaces in the oral cavity. This process occurs less than one minute after contact with those materials.

What are the indications for use of PerioDT?

1. **Caries Restoration Procedures** – PerioDT is indicated for use as an adjunctive rinse of exposed dentin surfaces in cavity preparations to assist in the removal of contaminated debris and microbial smear layer.
2. **Periodontitis and Gingivitis Treatment Procedures** – PerioDT is indicated for use as an adjunctive rinse of tooth surfaces during periodontal debridement procedures (scaling and root planing) to help with the removal of contaminated debris from the sulcus.
3. **Root Canal Cleanser Procedures** – PerioDT is indicated for use as an adjunctive rinse of tooth root canal systems and adjacent tooth surfaces during standard professional dental procedures to enhance the removal of post-instrumentation dentinal debris and microbial smear layer within the root canal systems.

What procedures can PerioDT be used for?

The product can universally be used for any oral debridement procedure involving:

- General Prophylaxis in areas of gingivitis or heavy plaque and biofilm buildup
- Pre-restoration of excavated caries
- Cleaning of abscessed tissue sites
- Pre- and Post-mucosal surgery
- Peri-Implant mucositis and implantitis
- Cleaning fixed and removable prosthetics and orthodontic fixtures
- Periodontal treatment
- Caries/Crown preparation cleanser
- Endodontic treatment

How should PerioDT be applied?

Please refer to the product Instructions for Use as referenced on the website or contained in the product packaging.

Visit bit.ly/perioDT-ifu to view instructions for use and additional safety tips. Here are a few tips for application:

Once an appropriate patient for PerioDT treatment has been identified, isolate and dry the surface or area being treated. Place PerioDT, starting at the most subgingival surface (if applicable) and work supragingivally. Do not overfill. Depending on the amount of bacteria and tissue requiring desiccation, leave the product on the surface(s) for no longer than 10-30 seconds. Then, start by using the high-evacuation suction to remove excess product from the surface. Follow the suctioning with a thorough rinse of the treated surface first, followed by a thorough rinse of the entire mouth. Do NOT leave any residual PerioDT product in the mouth. After scaling and root planing has been performed, follow the above steps once more to aid in the removal of any additional bacteria.

What are the ingredients of PerioDT?

PerioDT is a combination of multiple products that include aromatic phenolics, sulfuric acid and water. Please refer to the PerioDT Safety Data Sheet for further information.

What is the difference between PerioDT Liquid and PerioDT Gel?

There is no difference in the ingredients in these two viscosities of the product. The gel simply contains a small amount of silica to achieve a thicker viscosity. Some clinicians prefer to use the gel in clinical sites where liquid might flow away from the treatment area. The gel is more likely to remain in place where it is used. Both products will demonstrate reduced viscosity as they warm to body temperature. Use of either form of the product is simply personal clinician preference considering the clinical procedure being performed. Gel is typically used for caries/crown preparation cleanser. The liquid is used for peri-implantitis and endodontic procedures.

How many treatments are contained in one, 1mL syringe of PerioDT Gel or Liquid?

In most cases, if used in conjunction with periodontal debridement procedures, such as scaling and root planing, one 1mL syringe contains enough liquid or gel to treat a full arch, if used both pre and post scaling and root planing. The syringe and accompanying applicator tips are single patient use only. PerioDT can be applied to help remove contaminated debris from tooth surfaces.

Can one syringe be used with multiple patients?

Please refer to the product Instructions for Use for directions on syringe use.

What type of applicator tip is used for PerioDT?

The applicator tip is a standard Luer Lock, Curved dispensing tip. Additionally, any standard luer-lock applicator tip may be used based on clinician's preferences.

Does PerioDT harm healthy tissue?

Each patient's tissues may respond slightly different to PerioDT and should be considered for use on a case by case basis. The interaction of the product will depend upon the composition of the tissue. PerioDT is hygroscopic, pulling water from it's environment. Although the formula has been designed to prevent desiccation of healthy tissue, an interaction may occur and it is advised to only apply product in areas where indicated. Indicated areas include inflamed, bleeding periodontal pockets or areas of heavy calculus/biofilm buildup.

What if PerioDT contacts the skin or tissue outside of the mouth?

The desiccation process acts in an extremely slow manner on intact, non-mucosal skin and will generally have no effect upon accidental contact. It should be immediately removed with rinsing, and it can damage clothing. Contact for excessive periods of time could yield a slight warming sensation. Isolation may/can help with keeping material contained within intended surfaces.

Can PerioDT stain clothing?

Yes, clothing can acquire pink staining or be damaged by incidental contact with PerioDT.

Does PerioDT need to be refrigerated?

No, room temperature storage is appropriate. Please refer to the Safety Data Sheet for additional storage and product information.

What is the shelf life of PerioDT?

Two years. Please refer to the Expiration Date noted on the product label for exact information.

Does the use of PerioDT have any contraindications?

Yes, contraindications include:

- A contraindication for PerioDT is for a SULFUR allergy. This does not include SULFA allergies. **There is a significant difference between SULFUR and SULFA.**

Sulfa is an antibiotic in the Sulfonamide family. It is the earliest of the antimicrobial agents dating back to the 1930's, a precursor to all other antibiotics. Sulfur is an element in the periodic table, #16. PerioDT has properties of sulfates from sulfur. Sulfate allergies are extremely rare. Sulfates (PerioDT) are different from sulfonamide antibiotics (Sulfa) and do not cause allergic or sensitivity reactions. There is no clinical evidence of cross-allergy between sulfonamide antibiotics and sulfonamide non-antibiotics.

- PerioDT is also contraindicated for use when it may contact calcium hydroxide.
- PerioDT should not be diluted. Diluting with water or combining PerioDT with another product will render the product ineffective or potentially harmful.
- PerioDT is not recommended for pregnant patients or patients under the age of 18 due to lack of research support.

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