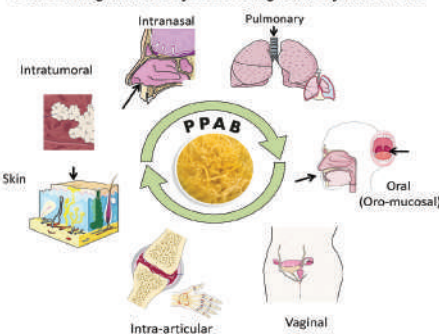


Love Your Smile



Overcoming barriers by Local Drug Delivery with PPAB



Periodontal Plus AB™

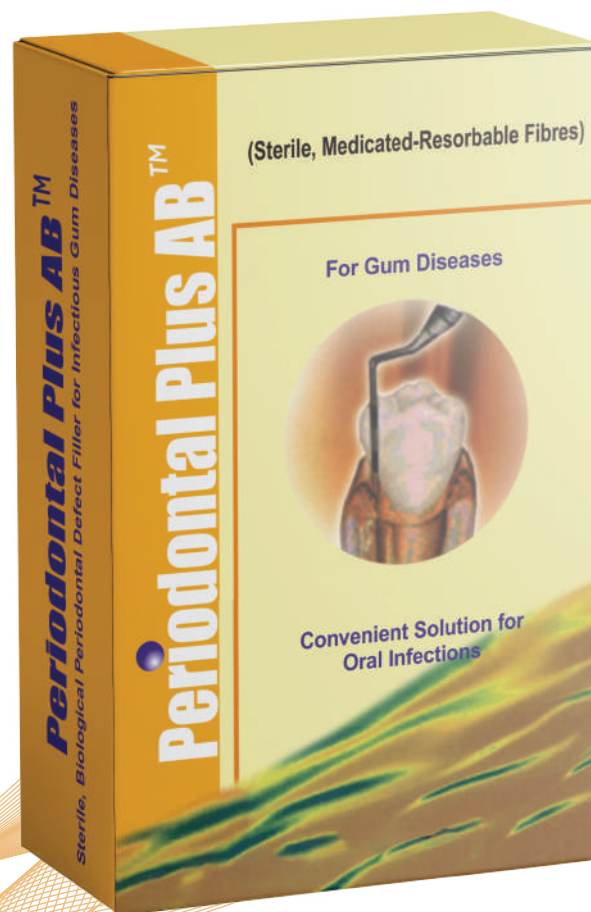
[Local Drug Delivery (LDD)]

PERIODONTAL PLUS AB™

CONTENTS

One Vial Contains 25 mg Type-I Collagen impregnated With 2 mg Tetracycline HCl. Each Box contains 4 Vials.

- ◆ The product is sterilized by ethylene oxide gas.
- ◆ Store bet. -18°C to 40°C or 0°F to 104°F.
- ◆ Periodontal Plus AB Shelf Life is 3 years.
- ◆ Available as 4 vials of 25 mg each.



Manufactured & Marketed by:

ENCOLL
Enhancing life through collagen

Address: 4576 Enterprise St. Fremont, CA 94538 USA
Tel: (510) 659-1466, Email: info@helicoll.com

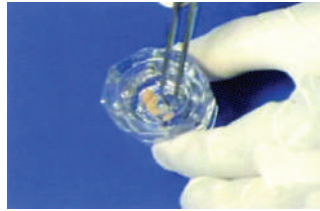
CP0304.A

A direct solution for all levels of periodontal infections

ENCOLL
Enhancing life through collagen

Periodontal Plus AB™

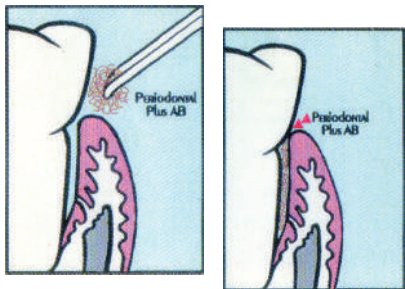
PPAB is a collagen fibril based formulation containing Tetracycline hydrochloride (2 mg of Tetracycline) in 25 mg of collagen fibrils. It has a dual mode of action, via the active agent, Tetracycline, and the vehicle, high purity, biocompatible Type-I collagen, which are used. This very unique feature of PPAB enables the active agent as well as the vehicle to be able to work positively towards the repair of the periodontal lesion.



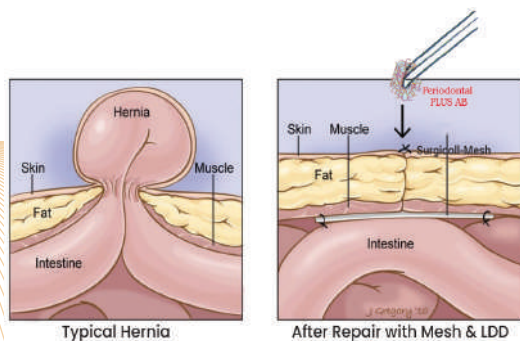
Intended Uses:

1. Used as an adjunct to scaling and root planing procedures for reduction of pocket depth in patients with adult periodontitis.
2. Used for repairing and reinforcing infected soft tissues where weakness exists.
3. Used for surgical repair of damaged or ruptured soft tissue including abdominal, inguinal, femoral, diaphragmatic, scrotal, umbilical, and incisional hernias.
4. Tetracycline hydrochloride incorporation has been shown in preclinical in vitro and in vivo testing to reduce or inhibit microbial colonization on the device. The claim of reduction of bacterial colonization of the device has been established with human clinical data (Ref. Vijayalashmi, R. et. al. Kinetics of drug release from a biodegradable local drug delivery system and its effect on Porphyromonas gingivalis isolates: An in vitro study. J. Indian Soc. Periodontol., 2013, 17(4), 429-434.)

For Periodontal Application:



For General Surgery Application:



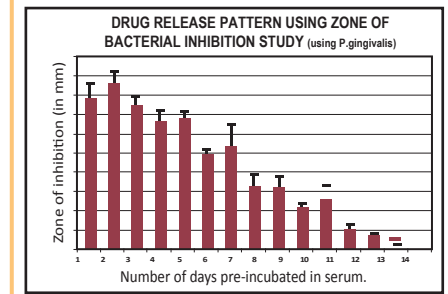
Usage:

PPAB is one of the easiest local drug delivery agents that can be used in almost any kind of periodontal lesions. The material is dispensed in an easy to use vial. The required amount can be placed in a dappen dish and then wet with a drop of normal saline. The required amount of material can then be picked up with a tweezer & placed near the pocket margins. Subsequently the material can be easily inserted into the pocket with the help of any composite handling instrument or even with a blunt-ended periodontal probe.

Sustained Release and Effectivity of PPAB:

Studies have shown that PPAB releases tetracycline consistently from day one over a period of 10 to 14 days with the concentrations peaking by 4th to 5th day.

As a synergistic effect, the collagen fibrils also biodegrade and release enzymes which promote the repair of the periodontal lesion.



Clinical Results:

PPAB has been tried out by periodontists and they have all reported excellent clinical success with fast clinical resolution. Inflammation is controlled excellently and clinical parameters like bleeding, exudation etc. reduce tremendously in two applications.

A lead Periodontist's opinion "Minimally invasive, maximizing tissue health, PPAB has been found to increase patient acceptance for the second phase of deeply Invasive treatment, if and when necessary."

Another Periodontist says, "PPAB has become a must use in my clinical practice in a number of situations. I routinely use it as an adjunct to scaling and root planning in all cases exhibiting exudation. I also use PPAB as a pre-surgical aid to transiently control the inflammation, thereby allowing me to handle the tissues very easily during surgery."



Availability:

PPAB is available in a convenient box packaging which contains four vials of end-point sterilized material. Each vial has sufficient PPAB to place in four to six lesions.

Precautions:

Do not resterilize. Periodontal Plus AB is sterile if the package is dry, unopened and undamaged. Do not use if the package seal is broken. The device must be used prior to the expiration date. Discard all open Periodontal Plus AB and any unused portions. Periodontal Plus AB is available by medical prescription only.



(U.S. Patents 5,814,328; 6,127,143 & 6,548,077)