

04076 PACKAGE INSERT (Rev 7 2/03)

(COVER)

ATRIDOX[®]

(doxycycline hyclate) 10%

in the ATRIGEL[®] Delivery System
for controlled release in
subgingival application

ADA ACCEPTED

American Dental Association

Atridox[®] has been shown to help arrest periodontitis when used as directed in a conscientiously applied program of oral hygiene and regular professional care.

Council on Scientific Affairs,
American Dental Association

(TEXT)

■ **DESCRIPTION**

The ATRIDOX[®] product* is a subgingival controlled-release product composed of a two syringe mixing system. Syringe A contains 450 mg of the ATRIGEL[®] Delivery System, which is a bioabsorbable, flowable polymeric formulation composed of 36.7% poly(DL-lactide) (PLA) dissolved in 63.3% *N*-methyl-2-pyrrolidone (NMP). Syringe B contains doxycycline hyclate which is equivalent to 42.5 mg doxycycline. The constituted product is a pale yellow to yellow viscous liquid with a concentration of 10% of doxycycline hyclate. Upon contact with the crevicular fluid, the liquid product solidifies and then allows for controlled release of drug for a period of 7 days.

*ATRIDOX is a registered trademark of Atrix Laboratories, Inc. ATRIGEL is a registered trademark of Atrix Laboratories, Inc.

Doxycycline is a broad-spectrum antibiotic synthetically derived from oxytetracycline.

The structural formula of doxycycline hyclate is:

(CHEMICAL STRUCTURE GRAPHIC)

Empirical Formula: $(C_{22}H_{24}N_2O_8 \cdot HCl)_2 \cdot C_2H_6O \cdot H_2O$

■ **CLINICAL PHARMACOLOGY**

▫ **Microbiology**

Doxycycline is a broad-spectrum semisynthetic tetracycline.¹ Doxycycline is bacteriostatic, inhibiting bacterial protein synthesis due to disruption of transfer RNA and messenger RNA at ribosomal sites.¹ In vitro testing has shown that *Porphyromonas gingivalis*, *Prevotella intermedia*, *Campylobacter rectus*, and *Fusobacterium nucleatum*, which are associated with periodontal disease, are susceptible to doxycycline at

concentrations $\leq 6.0 \mu\text{g/mL}$.² A single-center, single-blind, randomized, clinical study in 45 subjects with periodontal disease demonstrated that a single treatment with ATRIDOX[®] resulted in the reduction in the numbers of *P. gingivalis*, *P. intermedia*, *C. rectus*, *F. nucleatum*, *Bacteroides forsythus*, and *E. corrodens* in subgingival plaque samples. Levels of aerobic and anaerobic bacteria were also reduced after treatment with ATRIDOX[®]. The clinical significance of these findings, however, is not known. During these studies, no overgrowth of opportunistic organisms such as Gram-negative bacilli and yeast were observed. However, as with other antibiotic preparations, ATRIDOX[®] therapy may result in the overgrowth of nonsusceptible organisms including fungi. (See PRECAUTIONS)

▫ **Pharmacokinetics**

In a clinical pharmacokinetic study, subjects were randomized to receive either ATRIDOX[®] covered with Coe-Pak[™] periodontal dressing (n=13), ATRIDOX[®] covered with Octylident[™] periodontal adhesive (n=13), or oral doxycycline (n=5) (according to package dosing instructions). The doxycycline release characteristics in gingival crevicular fluid (GCF), saliva, and serum were evaluated.

Doxycycline levels in GCF peaked ($\sim 1,500 \mu\text{g/mL}$ and $\sim 2000 \mu\text{g/mL}$ for Coe-Pak[™] and Octylident[™] groups, respectively) 2 hours following treatment with ATRIDOX[®]. These levels remained above $1000 \mu\text{g/mL}$ through 18 hours, at which time the levels began to decline gradually. However, local levels of doxycycline remained well above the minimum inhibitory concentration (MIC_{90}) for periodontal pathogens ($\leq 6.0 \mu\text{g/mL}$)² through Day 7. In contrast, subjects receiving oral doxycycline had peak GCF levels of $\sim 2.5 \mu\text{g/mL}$ at 12 hours following the initial oral dosing with levels declining to $\sim 0.2 \mu\text{g/mL}$ by Day 7. High variability was observed for doxycycline levels in GCF for both oral and ATRIDOX[®] treatment groups.

The ATRIDOX[®] doxycycline release profile in GCF is illustrated in the figure below.

Mean Doxycycline Concentrations In GCF (0-7 Days)

(Chart of Doxycycline Concentration ($\mu\text{g/mL}$) over Time (Hours) using Octylident or Coe-Pak)

The maximum concentration of doxycycline in saliva was achieved at 2 hours after both treatments with ATRIDOX[®], with means of $4.05 \mu\text{g/mL}$ and $8.78 \mu\text{g/mL}$ and decreased to $0.36 \mu\text{g/mL}$ and $0.23 \mu\text{g/mL}$ at Day 7 for the Coe-Pak[™] group and the Octylident[™] group, respectively.

The concentration of doxycycline in serum following treatment of ATRIDOX[®] never exceeded $0.1 \mu\text{g/mL}$.

■ **CLINICAL STUDIES**

In two well-controlled, multicenter, parallel-design, nine-month clinical trials, 831 patients (Study 1=411; Study 2=420) with chronic adult periodontitis characterized by a mean probing depth of 5.9 to 6.0 mm were enrolled. Subjects received one of four treatments: 1) ATRIDOX[®], 2) Scaling and Root Planing, 3) Vehicle Control, or 4) Oral Hygiene. Treatment was administered to sites with probing depths 5 mm or greater that bled on probing. Subjects with detectable subgingival calculus on greater than 80% of all tooth surfaces were excluded from enrollment. All subjects received a second

administration of the initially randomized treatment four months after their Baseline treatment. Changes in the efficacy parameters, attachment level, pocket depth, and bleeding on probing, between Baseline and Month 9 showed that: 1) ATRIDOX[®] was superior to Vehicle Control and Oral Hygiene, and 2) ATRIDOX[®] met the decision rule of being at least 75% as good as Scaling and Root Planing (SRP) (the standard of at least 75% as good as SRP is required for any product approved as a stand alone therapy for periodontitis). Clinicians should note that the studies were of nine months duration. Additional research would be necessary to establish long term comparability to SRP. The results of Studies #1 and 2 for efficacy parameters of attachment level gain and probing depth reduction are included in the following graphs.

STUDY #1

(Chart of Attachment Level Gain (mm) over Time (Months))

(Chart of Probing Depth Reduction (mm) over Time (Months) using ATRIDOX[®] (N=99), Sc/RP (N=102), Vehicle (N=102), or Oral Hygiene (N=99))

* denotes statistically significant superiority of ATRIDOX[®] and Sc/RP vs. Vehicle and Oral Hygiene

† denotes statistically significant superiority of ATRIDOX[®] vs. Vehicle and Oral Hygiene

Data were not collected at months 3 and 7

STUDY #2

(Chart of Attachment Level Gain (mm) over Time (Months))

(Chart of Probing Depth Reduction (mm) over Time (Months) using ATRIDOX[®] (N=100), Sc/RP (N=103), Vehicle (N=99), or Oral Hygiene (N=97))

* denotes statistically significant superiority of ATRIDOX[®] and Sc/RP vs. Vehicle and Oral Hygiene

† denotes statistically significant superiority of ATRIDOX[®] vs. Vehicle and Oral Hygiene

Data were not collected at months 3 and 7

A third clinical trial was conducted to determine whether the product can be left in the pocket to bioabsorb or be expelled naturally and achieve comparable clinical results. In this study the product was retained with Octyldent[™] dental adhesive rather than Coe-Pak[™] periodontal dressing as in the previously mentioned studies. This was a 3-arm, randomized, controlled, parallel group, single blind trial that enrolled 605 subjects. The patient population studied and study design were comparable to that in Studies 1 and 2. Subjects received one of three treatments: 1) ATRIDOX[®] with Coe-Pak[™] removed after 7 days as in the pivotal trials, 2) ATRIDOX[®] retained with Octyldent[™] and left to bioabsorb or be expelled naturally or 3) Vehicle Control with Octyldent[™] left to bioabsorb or be expelled naturally. Changes in the efficacy parameters, attachment level, pocket depth and bleeding on probing were equivalent to those observed in Studies 1 and 2. The results of the third study support the use of ATRIDOX[®] retained with Octyldent[™] and left to bioabsorb or be expelled naturally.

■ INDICATIONS AND USAGE

ATRIDOX[®] is indicated for use in the treatment of chronic adult periodontitis for a gain in clinical attachment, reduction in probing depth, and reduction in bleeding on probing.

■ CONTRAINDICATIONS

ATRIDOX[®] should not be used in patients who are hypersensitive to doxycycline or any other drug in the tetracycline class.

■ WARNINGS

THE USE OF DRUGS OF THE TETRACYCLINE CLASS DURING TOOTH DEVELOPMENT (LAST HALF OF PREGNANCY, INFANCY, AND CHILDHOOD TO THE AGE OF EIGHT YEARS) MAY CAUSE PERMANENT DISCOLORATION OF THE TEETH. This adverse reaction is more common during long-term use of the drugs, but has been observed following repeated short-term courses. Enamel hypoplasia has also been reported. TETRACYCLINE DRUGS, THEREFORE, SHOULD NOT BE USED IN THIS AGE GROUP, OR IN PREGNANT WOMEN, UNLESS OTHER DRUGS ARE NOT LIKELY TO BE EFFECTIVE OR ARE CONTRAINDICATED.

Results of animal studies indicate that tetracyclines cross the placenta, are found in fetal tissues, and can have toxic effects on the developing fetus (often related to skeletal development). Evidence of embryotoxicity has also been noted in animals treated early in pregnancy. If any tetracycline is used during pregnancy, the patient should be apprised of the potential hazard to the fetus.

Photosensitivity manifested by an exaggerated sunburn reaction has been observed in some individuals taking doxycycline or other tetracyclines. Patients apt to be exposed to direct sunlight or ultraviolet light should be advised that this reaction can occur with tetracycline drugs.

■ PRECAUTIONS

▫ General:

ATRIDOX[®] has not been clinically tested in pregnant women.

ATRIDOX[®] has not been clinically evaluated in patients with conditions involving extremely severe periodontal defects with very little remaining periodontium.

ATRIDOX[®] has not been clinically tested for use in the regeneration of alveolar bone, either in preparation for or in conjunction with the placement of endosseous (dental) implants or in the treatment of failing implants.

ATRIDOX[®] has not been clinically tested in immunocompromised patients (such as patients immunocompromised by diabetes, chemotherapy, radiation therapy, or infection with HIV).

As with other antibiotic preparations, ATRIDOX[®] therapy may result in overgrowth of nonsusceptible organisms, including fungi.¹ The effects of prolonged treatment, greater than six months, have not been studied.

ATRIDOX[®] should be used with caution in patients with a history of or predisposition to oral candidiasis. The safety and effectiveness of ATRIDOX[®] have not been established for the treatment of periodontitis in patients with coexistent oral candidiasis.

▫ **Information for Patients:**

Mechanical oral hygiene procedures (i.e., tooth brushing, flossing) should be avoided on any treated areas for 7 days.

Avoid excessive sunlight or artificial ultraviolet light while receiving doxycycline.

Doxycycline may decrease the effectiveness of birth control pills.

▫ **Carcinogenesis, Mutagenesis, Impairment of Fertility:**

Long-term studies in animals to evaluate carcinogenic potential of doxycycline have not been conducted. However, there has been evidence of oncogenic activity in rats in studies with the related antibiotics, oxytetracycline (adrenal and pituitary tumors), and minocycline (thyroid tumors). Likewise, although mutagenicity studies of doxycycline have not been conducted, positive results in in vitro mammalian cell assays have been reported for related antibiotics (tetracycline, oxytetracycline). Doxycycline administered orally at dosage levels as high as 250 mg/kg/day had no apparent effect on the fertility of female rats. Effect on male fertility has not been studied.

▫ **Pregnancy Category D. See “WARNINGS” section**

▫ **Nursing Mothers:**

Tetracyclines appear in breast milk following oral administration. It is not known whether doxycycline is excreted in human milk following use of ATRIDOX[®]. Because of the potential for serious adverse reactions in nursing infants from doxycycline, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother. (See WARNINGS section)

▫ **Pediatrics:**

The safety and effectiveness of ATRIDOX[®] in pediatric patients have not been established. Oral doses of doxycycline in children up to 8 years of age have caused permanent discoloration of teeth.

■ **ADVERSE REACTIONS**

In clinical trials involving a total of 1436 patients, adverse experiences from all causalities were monitored across treatment groups.

In the Circulatory System category, 10 subjects (1.6%) in the ATRIDOX[®] group were reported as having "unspecified essential hypertension." Only 1 subject (0.2%) in the Vehicle group, and none in the Scaling and Root Planing or Oral Hygiene groups were reported to have "unspecified essential hypertension." In all cases, the event occurred anywhere from 13 to 134 days post treatment. There is no known association of oral administration of doxycycline with essential hypertension.

Two patients in the polymer vehicle group and none in the ATRIDOX[®] group (0.2% for both groups combined) reported adverse events consistent with a localized allergic response.

Sex, age, race and smoking status did not appear to be correlated with adverse events.

The following table lists the incidence of treatment-emergent adverse events from all causalities, across all treatment groups, occurring in $\geq 1\%$ of the entire study population.

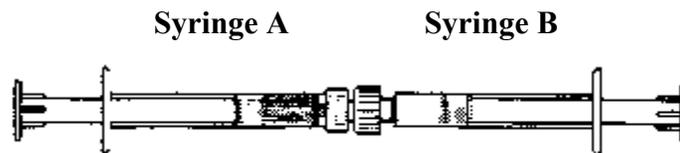
Body System	Doxycycline	Vehicle	OH	SRP
Verbatim Terms	n=609	n=413	n=204	n=210
<u>Circulatory</u>				
High blood pressure	1.6%	0.2%	0.0%	0.0%
<u>Digestive</u>				
Gum discomfort, pain or soreness; loss of attachment; increased pocket depth	18.1%	23.0%	20.1%	21.0%
Toothache, pressure sensitivity	14.3%	14.3%	10.3%	18.1%
Periodontal abscess, exudate, infection, drainage, extreme mobility, suppuration	9.9%	10.9%	10.3%	8.6%
Thermal tooth sensitivity	7.7%	8.5%	4.4%	6.7%
Gum inflammation, swelling, sensitivity	4.1%	5.8%	5.4%	5.7%
Soft tissue erythema, sore mouth, unspecified pain	4.3%	5.3%	2.7%	6.2%
Indigestion, upset stomach, stomachache	3.6%	4.1%	2.9%	3.8%
Diarrhea	3.3%	2.4%	1.0%	1.0%
Tooth mobility, bone loss	2.0%	0.7%	0.5%	2.4%
Periapical abscess, lesion	1.5%	1.9%	1.0%	0.5%
Aphthous ulcer, canker sores	0.7%	1.7%	1.0%	1.4%
Fistula	0.8%	1.5%	1.5%	1.0%
Endodontic abscess, pulpitis	1.5%	1.5%	0.0%	0.5%
Jaw pain	1.1%	0.5%	1.0%	1.9%
Tooth loss	0.8%	1.5%	1.5%	0.0%
Bleeding gums	1.0%	0.7%	0.0%	2.4%
<u>Genitourinary</u>				
Premenstrual tension syndrome	4.4%	3.1%	2.5%	3.3%
<u>Ill-Defined Conditions</u>				
Headache	27.3%	28.1%	23.5%	23.8%
Cough	3.6%	6.1%	2.9%	2.4%
Sleeplessness	3.4%	1.5%	2.0%	2.9%
Body aches, soreness	1.6%	1.2%	1.5%	1.4%
Nausea and vomiting	1.8%	0.7%	2.5%	0.5%
Fever	1.0%	1.9%	1.0%	1.9%
<u>Injury & Poisoning</u>				
Broken tooth	5.1%	4.1%	4.9%	5.7%
<u>Mental</u>				
Tension headache	1.8%	0.7%	0.0%	1.0%
<u>Musculoskeletal</u>				
Muscle aches	6.4%	4.6%	4.9%	3.3%
Backache	3.6%	5.3%	2.5%	6.2%
Pain in arms or legs	1.5%	2.2%	2.0%	2.4%
Lower back pain	1.6%	1.7%	0.5%	2.9%
Neck pain	1.3%	1.7%	1.0%	1.9%
Shoulder pain	1.0%	1.0%	1.5%	1.0%

<u>Nervous System</u>				
Ear infection	1.6%	1.9%	2.0%	0.0%
<u>Respiratory</u>				
Common cold	25.5%	25.2%	18.1%	16.7%
Flu, respiratory	6.1%	9.0%	3.9%	6.7%
Stuffy head, post nasal drip, congestion	5.6%	7.7%	2.9%	4.8%
Sore throat	5.7%	6.5%	2.0%	3.3%
Sinus infection	5.3%	2.7%	1.0%	1.9%
Flu	2.8%	2.9%	2.9%	3.3%
Bronchitis	2.3%	1.9%	1.5%	1.0%
Allergies	1.0%	1.0%	1.0%	1.9%
<u>Skin & Subcutaneous Tissue</u>				
Skin infection or inflammation	1.3%	1.0%	1.0%	1.0%

■ DOSAGE AND ADMINISTRATION

▫ Preparation for Use

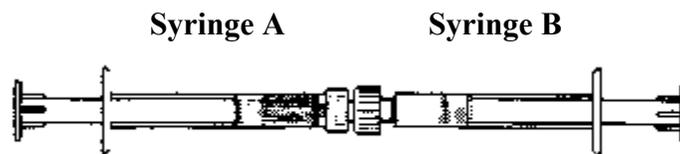
1. If refrigerated, remove the pouched product from refrigeration at least 15 minutes prior to mixing.
2. Couple Syringe A (liquid delivery system) and Syringe B (drug powder).



3. Inject the liquid contents of Syringe A (indicated by purple stripe) into Syringe B (doxycycline powder) and then push the contents back into Syringe A. This entire operation is one mixing cycle.
4. Complete 100 mixing cycles at a pace of one cycle per second using brisk strokes.

If immediate use is desired, skip to step 7.

5. **If necessary, the coupled syringes can be stored in the resealable pouch at room temperature for a maximum of three days.**



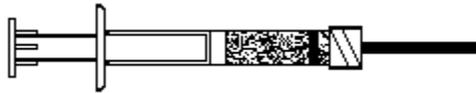
6. After storage, perform an additional ten mixing cycles just prior to use.

Continue with immediate use instructions.

7. The contents will be in **Syringe A** (indicated by purple stripe). Hold the coupled syringes vertically with **Syringe A** at the bottom. Pull back on the **Syringe A** plunger and allow the contents to flow down the barrel for several seconds.
8. Uncouple the two syringes and attach one of the provided cannulae to Syringe A.



Syringe A Blunt Cannula



Product is now ready for application.

▫ **Product Administration**

ATRIDOX® does not require local anesthesia for placement. Bend the cannula to resemble a periodontal probe and explore the periodontal pocket in a manner similar to periodontal probing. Keeping the cannula tip near the base of the pocket, express the product into the pocket until the formulation reaches the top of the gingival margin. Withdraw the cannula tip from the pocket. In order to separate the tip from the formulation, turn the tip of the cannula towards the tooth, press the tip against the tooth surface, and pinch the string of formulation from the tip of the cannula. Variations on this technique may be needed to achieve separation between ATRIDOX® and cannula.

If desired, using an appropriate dental instrument, ATRIDOX® may be packed into the pocket. Dipping the edge of the instrument in water before packing will help keep ATRIDOX® from sticking to the instrument, and will help speed coagulation of ATRIDOX®. A few drops of water dripped onto the surface of ATRIDOX® once in the pocket will also aid in coagulation. If necessary, add more ATRIDOX® as described above and pack it into the pocket until the pocket is full.

Cover the pockets containing ATRIDOX® with either Coe-Pak™ periodontal dressing or Octylident™ dental adhesive.

Application of ATRIDOX® may be repeated four months after initial treatment.

■ **HOW SUPPLIED**

ATRIDOX® is available in a pouch containing a doxycycline hyclate syringe (50 mg), an ATRIGEL® Delivery System syringe (450 mg), and a blunt cannula.

Each ATRIDOX® syringe system is intended for use in only one patient. Do not use if pouch has been previously opened or damaged.

▫ **Dosage Information**

The final blended product is 500 mg of formulation containing 50.0 mg of doxycycline hyclate (doxycycline hyclate, 10%).

ATRIDOX® is a variable dose product dependent on the size, shape, and number of pockets being treated.

NDC 63646-191-00

▫ **Storage Conditions**

Store at 2°-30°C (36°-86°F).

▫ **Rx Only**

■ **REFERENCES**

1. Stratton CW, Lorian V. Mechanisms of action for antimicrobial agents: general principles and mechanisms for selected classes of antibiotics. *Antibiotics in Laboratory Medicine*, 4th edition, Williams and Wilkins, Baltimore, MD, 1996.
2. Slots J, Rams TE. Antibiotics in periodontal therapy: advantages and disadvantages. *J Clin Periodontol* 1990; 17:479-493.

ATRIDOX[®] products are produced under one or more
of these patents: U.S. 5,324,519; U.S. BI 4,938,763; U.S. 5,278,201;
U.S. 5,077,049; U.S. 5,739,176; U.S. 5,733,950

Manufactured by Atrix Laboratories, Inc. for:
CollaGenex Pharmaceuticals, Inc.
Newtown, PA 18940

Part Number: 04076 Rev. 7 2/03

Product Number: 10501

CollaGenex Pharmaceuticals (logo)

CollaGenex Pharmaceuticals, Inc., Newtown, PA 18940

To Order Call: 1-888-920-3322

ATRIDOX US Carton (PN 03020 Rev 7 2/03)

ATRIDOX[®]					
(doxycycline hyclate) 10% in the ATRIGEL [®] Delivery System for controlled release in subgingival application		Rx Only To Order Call: 1-888-920-3322 Product Number: 10501			
		ADA Logo ADA ACCEPTED American Dental Association	Atridox [®] has been shown to help arrest periodontitis when used as directed in a conscientiously applied program of oral hygiene and regular professional care. Council on Scientific Affairs, American Dental Association		
NDC 63646-191-00				ATRIDOX[®]	
ATRIDOX[®]			Logo	CollaGenex pharmaceuticals	(doxycycline hyclate) 10% in the ATRIGEL [®] Delivery System for controlled release in subgingival application
					Single Patient Use Only
(doxycycline hyclate) 10% in the ATRIGEL [®] Delivery System for controlled release in subgingival application		ADA Logo ADA ACCEPTED American Dental Association	Atridox [®] has been shown to help arrest periodontitis when used as directed in a conscientiously applied program of oral hygiene and regular professional care. Council on Scientific Affairs, American Dental Association		<ul style="list-style-type: none"> Syringe A contains 450 mg ATRIGEL[®] Delivery System [63.3% N-methyl-2-pyrrolidone and 36.7% poly(DL-lactide)]. Syringe B contains 50 mg doxycycline hyclate equivalent to 42.5 mg doxycycline. Refer to Package Insert for Product Constitution Instructions. Each pouch of the ATRIDOX [®] product contains one blunt cannula and two syringes. To Order Call: 1-888-920-3322 Product Number: 10501
Tooth and Syringe graphic		CONTENTS: Six ATRIDOX [®] Units Six Additional Cannulae To Order Call: 1-888-920-3322 Store at 2°–30°C (36°–86°F) Product Number: 10501			

		ATRIDOX[®]							
		(doxycycline hyclate) 10% in the ATRIGEL [®] Delivery System for controlled release in subgingival application		Manufactured by Atrix Laboratories, Inc. for: CollaGenex Pharmaceuticals, Inc. Newtown, PA 18940					
		To Order Call: 1-888-920-3322 Product Number: 10501							
PREPARATION FOR USE:		DELAYED USE INSTRUCTIONS:		ATRIDOX[®]					
<p>1. If refrigerated, remove the pouched product from refrigeration at least 15 minutes prior to mixing.</p> <p>2. Couple Syringe A (liquid delivery system) and Syringe B (drug powder).</p>  <p style="text-align: center;">Syringe A Syringe B</p> <p>3. Inject the contents of Syringe A (indicated by purple stripe) into Syringe B (liquid into powder) and then push the contents back into Syringe A.</p> <p>This entire operation is one mixing cycle.</p> <p>4. Complete 100 mixing cycles at a pace of one cycle per second using brisk strokes. <i>If immediate use is desired, skip to step 7.</i></p>		<p>5. If necessary, the coupled syringes can be stored in the resealable pouch at room temperature for a maximum of three days.</p>  <p style="text-align: center;">Syringe A Syringe B</p> <p>6. After storage, perform an additional ten mixing cycles just prior to use. <i>Continue with immediate use instructions.</i></p>		<p>7. The contents will be in Syringe A (indicated by purple stripe). Hold the coupled syringes vertically with Syringe A at the bottom. Pull back on the Syringe A plunger and allow the contents to flow down the barrel for several seconds.</p> <p>8. Uncouple the two syringes and attach the blunt cannula to Syringe A.</p>  <p style="text-align: center;">Syringe A Blunt Cannula</p> <p>Product is now ready for application.</p>		<p>(doxycycline hyclate) 10% in the ATRIGEL[®] Delivery System for controlled release in subgingival application</p>		<p>(doxycycline hyclate) 10% in the ATRIGEL[®] Delivery System for controlled release in subgingival application</p>	
				To Order Call: 1-888-920-3322					
				<p>ATRIDOX is a registered trademark of Atrix Laboratories, Inc.</p> <p>ATRIGEL is a registered trademark of Atrix Laboratories, Inc.</p> <p>ATRIDOX[®] products are produced under one or more of these patents: U.S. 5,324,519; BI 4,938,763; 5,278,201; 5,077,049; 5,739,176; 5,733,950</p> <p>U.S. patents pending. Made in U.S.A.</p> <p>Part Number: 03020 Rev. 7 2/03</p>		<p>INDICATIONS AND USAGE: The ATRIDOX[®] product is indicated for use in treatment of chronic adult periodontitis for a gain in clinical attachment, reduction in probing depth, and reduction in bleeding on probing.</p> <p>To Order Call: 1-888-920-3322</p>			
				Lot Number:					
				Expiration Date:					
				Product Number: 10501					

03012 Pre-printed COMMERCIAL POUCH (Rev 6 2/03)

NDC 63646-191-00		Single Patient Use Only	Store at 2°–30°C (36°–86°F)
Logo		POUCH CONTENTS: <ul style="list-style-type: none"> ▪ 1 Pouched Syringe A containing 450 mg ATRIGEL[®] Delivery System [63.3% <i>N</i>-methyl-2-pyrrolidone and 36.7% poly(DL-lactide)] ▪ 1 Syringe B containing 50 mg doxycycline hyclate equivalent to 42.5 mg doxycycline ▪ 1 Blunt Cannula Refer to Package Insert for Product Constitution Instructions. Constitution Date: _____ Discard after 3 days. INDICATIONS AND USAGE: The ATRIDOX [®] product is indicated for use in treatment of chronic adult periodontitis for a gain in clinical attachment, reduction in probing depth, and reduction in bleeding on probing. Rx Only Manufactured by Atrix Laboratories, Inc. for: CollaGenex Pharmaceuticals, Inc., Newtown, PA 18940	
ATRIDOX[®]			
(doxycycline hyclate) 10% in the ATRIGEL [®] Delivery System for controlled release in subgingival application			
ADA Logo ADA ACCEPTED American Dental Association	Atridox [®] has been shown to help arrest periodontitis when used as directed in a conscientiously applied program of oral hygiene and regular professional care. Council on Scientific Affairs, American Dental Association	Part Number: 03012 Rev. 6 2/03 Product Number: 10505 To Order Call: 1-888-920-3322	CollaGenex Pharmaceuticals (logo)

03024 Pre-printed PROFESSIONAL SAMPLE POUCH (03024 Rev 5 2/03)

NDC 63646-191-00		Single Patient Use Only	Store at 2°–30°C (36°–86°F)
SAMPLE • NOT FOR RESALE	Logo		<p>POUCH CONTENTS:</p> <ul style="list-style-type: none"> ▪ 1 Pouched Syringe A containing 450 mg ATRIGEL® Delivery System [63.3% <i>N</i>-methyl-2-pyrrolidone and 36.7% poly(DL-lactide)] ▪ 1 Syringe B containing 50 mg doxycycline hyclate equivalent to 42.5 mg doxycycline ▪ 1 Blunt Cannula <p>Refer to Package Insert for Product Constitution Instructions.</p> <p>Constitution Date: _____ Discard after 3 days.</p> <p>INDICATIONS AND USAGE:</p> <p>The ATRIDOX® product is indicated for use in treatment of chronic adult periodontitis for a gain in clinical attachment, reduction in probing depth, and reduction in bleeding on probing.</p> <p>Rx Only</p> <p>Manufactured by Atrix Laboratories, Inc. for: CollaGenex Pharmaceuticals, Inc., Newtown, PA 18940</p>
	<p>ATRIDOX®</p>		
	<p>(doxycycline hyclate) 10% in the ATRIGEL® Delivery System for controlled release in subgingival application</p>		
<p>ADA Logo ADA ACCEPTED American Dental Association</p>	<p>Atridox® has been shown to help arrest periodontitis when used as directed in a conscientiously applied program of oral hygiene and regular professional care.</p> <p>Council on Scientific Affairs, American Dental Association</p>	<p>Part Number: 03024 Rev. 5 2/03 Product Number: 10505</p> <p>To Order Call: 1-888-920-3322</p>	<p>CollaGenex Pharmaceuticals (logo)</p>

04078 COMMERCIAL POUCH LABEL (Rev 5 2/03)

NDC 63646-191-00		Single Patient Use Only	Store at 2°-30°C (36°-86°F)
Logo		POUCH CONTENTS: <ul style="list-style-type: none"> ▪ 1 Pouched Syringe A containing 450 mg ATRIGEL® Delivery System [63.3% <i>N</i>-methyl-2-pyrrolidone and 36.7% poly(DL-lactide)] ▪ 1 Syringe B containing 50 mg doxycycline hyclate equivalent to 42.5 mg doxycycline ▪ 1 Blunt Cannula Refer to Package Insert for Product Constitution Instructions. Constitution Date: _____ Discard after 3 days. INDICATIONS AND USAGE: The ATRIDOX® product is indicated for use in treatment of chronic adult periodontitis for a gain in clinical attachment, reduction in probing depth, and reduction in bleeding on probing. Rx Only Manufactured by Atrix Laboratories, Inc. for: CollaGenex Pharmaceuticals, Inc., Newtown, PA 18940	
ATRIDOX®			
(doxycycline hyclate) 10% in the ATRIGEL® Delivery System for controlled release in subgingival application			
ADA Logo ADA ACCEPTED American Dental Association	Atridox® has been shown to help arrest periodontitis when used as directed in a conscientiously applied program of oral hygiene and regular professional care. Council on Scientific Affairs, American Dental Association	Part Number: 04078 Rev. 5 2/03 Product Number: 10505 To Order Call: 1-888-920-3322	CollaGenex Pharmaceuticals (logo)

04077 PROFESSIONAL SAMPLE POUCH LABEL (04077 Rev 3 2/03)

NDC 63646-191-00		Single Patient Use Only	Store at 2°–30°C (36°–86°F)
SAMPLE • NOT FOR RESALE	Logo		<p>POUCH CONTENTS:</p> <ul style="list-style-type: none"> • 1 Pouched Syringe A containing 450 mg ATRIGEL® Delivery System [63.3% <i>N</i>-methyl-2-pyrrolidone and 36.7% poly(DL-lactide)] • 1 Syringe B containing 50 mg doxycycline hyclate equivalent to 42.5 mg doxycycline • 1 Blunt Cannula <p>Refer to Package Insert for Product Constitution Instructions.</p> <p>Constitution Date: _____ Discard after 3 days.</p> <p>INDICATIONS AND USAGE:</p> <p>The ATRIDOX® product is indicated for use in treatment of chronic adult periodontitis for a gain in clinical attachment, reduction in probing depth, and reduction in bleeding on probing.</p> <p>Rx Only</p> <p>Manufactured by Atrix Laboratories, Inc. for: CollaGenex Pharmaceuticals, Inc., Newtown, PA 18940</p>
	<p>ATRIDOX®</p>		
	<p>(doxycycline hyclate) 10% in the ATRIGEL® Delivery System for controlled release in subgingival application</p>		
<p>ADA Logo ADA ACCEPTED American Dental Association</p>	<p>Atridox® has been shown to help arrest periodontitis when used as directed in a conscientiously applied program of oral hygiene and regular professional care.</p> <p>Council on Scientific Affairs, American Dental Association</p>	<p>Part Number: 04077 Rev. 3 2/03 Product Number: 10505</p> <p>To Order Call: 1-888-920-3322</p>	<p>CollaGenex Pharmaceuticals (logo)</p>