

***PRESCRIBING INFORMATION***

<sup>Pr</sup> **Teva-Doxycycline Capsules**

Doxycycline Hyclate Capsules, USP

*100 mg doxycycline (as doxycycline hyclate)*

<sup>Pr</sup> **Teva-Doxycycline Tablets**

Doxycycline Hyclate Tablets, USP

*100 mg doxycycline (as doxycycline hyclate)*

*Antibiotic*

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**Control number: 215005**

## **NAME OF DRUGS**

### **<sup>Pr</sup> Teva-Doxycycline Capsules**

Doxycycline Hyclate Capsules, USP

*100 mg doxycycline (as doxycycline hyclate)*

### **<sup>Pr</sup> Teva-Doxycycline Tablets**

Doxycycline Hyclate Tablets, USP

*100 mg doxycycline (as doxycycline hyclate)*

## **THERAPEUTIC CLASSIFICATION**

Antibiotic

## **ACTION**

Doxycycline hyclate is a broad-spectrum antibiotic and is active against a wide range of Gram-negative and Gram-positive organisms. Doxycycline exerts its bacteriostatic effect by the inhibition of protein synthesis.

## **INDICATIONS AND CLINICAL USE**

Teva-Doxycycline Capsules / Teva-Doxycycline Tablets (doxycycline hyclate) may be indicated for the treatment of:

**Pneumonia:** Single and multilobe pneumonia and bronchopneumonia due to susceptible strains of *Streptococcus pneumoniae* and other *Streptococcus* spp., *Staphylococcus* spp., *H. influenzae* and *Klebsiella pneumoniae*.

**Other Respiratory Tract Infections:** Pharyngitis, tonsillitis, sinusitis, otitis media, bronchitis caused by susceptible strains of  $\beta$ -hemolytic *Streptococcus*, *Staphylococcus* spp., *Streptococcus pneumoniae* and *H. influenzae*.

## Genitourinary Tract

### Infections:

Pyelonephritis, cystitis, urethritis caused by susceptible strains of *Klebsiella* spp., *Enterobacter aerogenes*, *E. coli*, *Enterococcus* spp., *Staphylococcus* spp., *Streptococcus* spp. and gonococcal urethritis caused by *Neisseria gonorrhoeae*.

In adult patients with urethritis, cervicitis and vaginitis with a positive test for *Chlamydia trachomatis* and/or *Ureaplasma urealyticum*, clinical resolution and absence of detectable organisms have only been observed at completion of ORAL therapy with doxycycline hyclate. Relapses or reinfection can occur. In these cases, limited data suggest that some patients may derive clinical benefit from an alternative therapy. The effect on long term morbidity has not been established.

## Skin and Soft Tissue

### Infections:

Impetigo, furunculosis, cellulitis, abscess, wound infection, paronychia, caused by susceptible strains of *Staphylococcus aureus* and *epidermidis*, *Streptococcus* spp., *E. coli*, *Klebsiella* spp. and *Enterobacter aerogenes*.

## Gastro-intestinal

### Infections:

Caused by susceptible strains of *Shigella* spp., *Salmonella* spp. and *E.coli*.

Up to 44 percent of strains of *Streptococcus pyogenes* and 74 percent of *Streptococcus faecalis* have been found to be resistant to tetracycline drugs.

To reduce the development of drug-resistant bacteria and maintain the effectiveness of doxycycline and other antibacterial drugs, Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should be used only to treat infections that are proven or strongly suspected to be caused by bacteria susceptible to doxycycline. When culture and susceptibility information are available, they should be considered in selecting or modifying antibacterial therapy. In the absence of such data, local epidemiology data, susceptibility patterns, and local official antibiotic prescribing guidelines, may contribute to the empiric selection of therapy.

## **CONTRAINDICATIONS**

Teva-Doxycycline Capsules / Teva-Doxycycline Tablets are contraindicated in individuals who have shown hypersensitivity to doxycycline hyclate and to any of the non-medicinal ingredients or to any other tetracyclines, and in patients with myasthenia gravis.

Teva-Doxycycline Capsules / Teva-Doxycycline Tablets are contraindicated in patients

taking isotretinoin (see **PRECAUTIONS AND DRUG INTERACTIONS**).

## **WARNINGS**

### **General**

Doxycycline hyclate like other tetracyclines, may form a stable calcium complex in any bone-forming tissue, though *in vitro* it binds calcium less strongly than other tetracyclines. It should be anticipated that the use of doxycycline hyclate during tooth development (last trimester of pregnancy, during lactation, neonatal period and early childhood to the age of 8 years) may cause permanent discoloration of the teeth (yellow-gray-brown). Though more commonly associated with long term use of tetracyclines, this effect has also been known to occur after short courses. Enamel hypoplasia has also been reported.

Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should, therefore, not be used in these age groups unless other drugs are unlikely to be effective or are contraindicated.

### **Carcinogenesis and Mutagenesis**

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).

### **Gastrointestinal**

Instances of esophageal lesions (esophagitis and ulcerations), sometimes severe, have been reported in patients receiving doxycycline. The patients must be instructed to take Teva-Doxycycline Capsules / Teva-Doxycycline Tablets with a full glass of water, to keep in orthostatic position after the administration and not to go to bed within 1-2 hours after the intake. If symptoms such as dysphagia and retrosternal pain occur, Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should be discontinued and an esophageal lesion must be investigated (see **PRECAUTIONS, ADVERSE REACTIONS, DOSAGE AND ADMINISTRATION** and **INFORMATION FOR THE PATIENT**).

Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should not be prescribed to patients with obstructive esophageal pathology, such as stenosis and achalasia.

*Clostridium difficile*-associated disease (CDAD) has been reported with use of many antibacterial agents, including doxycycline hyclate. CDAD may range in severity from mild diarrhea to fatal colitis. It is important to consider this diagnosis in patients who present with diarrhea, or symptoms of colitis, pseudomembranous colitis, toxic

megacolon, or perforation of colon subsequent to the administration of any antibacterial agent. CDAD has been reported to occur over 2 months after the administration of antibacterial agents.

Treatment with antibacterial agents may alter the normal flora of the colon and may permit overgrowth of *Clostridium difficile*. *C. difficile* produces toxins A and B, which contribute to the development of CDAD. CDAD may cause significant morbidity and mortality. CDAD can be refractory to antimicrobial therapy.

If the diagnosis of CDAD is suspected or confirmed, appropriate therapeutic measures should be initiated. Mild cases of CDAD usually respond to discontinuation of antibacterial agents not directed against *Clostridium difficile*. In moderate to severe cases, consideration should be given to management with fluids and electrolytes, protein supplementation, and treatment with an antibacterial agent clinically effective against *Clostridium difficile*. Surgical evaluation should be instituted as clinically indicated, as surgical intervention may be required in certain severe cases. (see **ADVERSE REACTIONS**)

#### Skin

Photosensitivity reaction manifested by an exaggerated sunburn reaction has been observed in some individuals taking tetracyclines. Patients apt to be exposed to direct sunlight or ultraviolet light should be advised that this reaction can occur with doxycycline hyclate, and treatment should be discontinued at the first evidence of skin erythema (see **PRECAUTIONS, ADVERSE REACTIONS** and **INFORMATION FOR THE PATIENT**). The use of sunscreen or sunblock prior to sun or UV light exposure should be considered in patients taking Teva-Doxycycline Capsules / Teva-Doxycycline Tablets.

#### Hypersensitivity

Hypersensitivity adverse drug reactions that included, but not limited to anaphylactic reaction, angioedema, dyspnea, tachycardia, hypotension, pericarditis, urticaria, rash, erythema multiforme, Stevens-Johnson and toxic epidermal necrolysis have been reported with doxycycline hyclate use. Some of these reactions were serious. If an allergic reaction occurs, administration of Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should be discontinued and appropriate therapy should be initiated.

Doxycycline hyclate has been associated with the development of autoimmune adverse drug reactions including exacerbation of systemic lupus erythematosus, rash, peripheral edema, arthralgia, myalgia, serum sickness. If patients with autoimmune reactions are suspected, administration of Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should be discontinued and liver function tests, ANA, CBC, and other appropriate tests should be performed to evaluate the patients.

#### Renal

The anti-anabolic action of tetracyclines may cause an increase in BUN. Studies to date

indicate that this anti-anabolic effect does not occur with the use of doxycycline in patients with impaired renal function.

#### Antimicrobial Susceptibility/Resistance

Prescribing Teva-Doxycycline Capsules / Teva-Doxycycline Tablets in the absence of a proven or strongly suspected bacterial infection is unlikely to provide benefit to the patient and risks the development of drug-resistant bacteria.

#### Usage in Pregnancy

Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should not be administered to pregnant women, unless in the judgment of the physician the potential benefit to the mother outweighs the risk to the fetus (see above **WARNINGS** section about use during tooth development).

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 retardation of skeletal development). Evidence of embryotoxicity has also been noted in animals treated early in pregnancy.

#### Usage During Lactation

Tetracyclines are excreted in the milk of lactating women. Accordingly the use of Teva-Doxycycline Capsules / Teva-Doxycycline Tablets are not recommended in women while they are breast feeding (see above **WARNINGS** section about use during tooth development).

#### Use in Newborns, Infants and Children

The use of Teva-Doxycycline Capsules / Teva-Doxycycline Tablets in children under 8 years is not recommended because safe conditions for its use have not been established (see above **WARNINGS** section about use during tooth development).

Doxycycline hyclate like other tetracyclines forms a stable calcium complex in any bone-forming tissue. A decrease in the fibula growth rate has been observed in prematures given oral tetracycline in doses of 25 mg/kg every six hours. This reaction was shown to be reversible when the drug was discontinued.

### **PRECAUTIONS**

In clinical studies to date, administration of doxycycline hyclate did not lead to increased serum levels nor to an increase in the serum half-life of doxycycline in patients with impaired renal function. Modification of doxycycline hyclate dosage for these patients is not necessary. Although no evidence of increased toxicity has been observed in such patients, the potential for increased hepatic or other toxicity should be considered until further data on the metabolic fate of doxycycline under these conditions become

available.

Concurrent administration of doxycycline hyclate with agents known to be hepatotoxic should be avoided.

The use of antibiotics may occasionally result in overgrowth of non-susceptible organisms including fungi; thus, observation of the patient is essential.

Patients should be advised that the use of doxycycline might increase the incidence of vaginal candidiasis (see **ADVERSE REACTIONS** and **INFORMATION FOR THE PATIENT**).

Benign intracranial hypertension (pseudotumor cerebri) has been associated with the use of tetracyclines including doxycycline. Benign intracranial hypertension (pseudotumor cerebri) is usually transient, however cases of permanent visual loss secondary to benign intracranial hypertension (pseudotumor cerebri) have been reported with tetracyclines including doxycycline. If visual disturbance occurs during treatment, prompt ophthalmologic evaluation is warranted. Since intracranial pressure can remain elevated for weeks after drug cessation patients should be monitored until they stabilize. Concomitant use of isotretinoin and doxycycline should be avoided because isotretinoin is also known to cause benign intracranial hypertension (pseudotumor cerebri). (see **ADVERSE REACTIONS**).

Cases of esophageal injury consisting of esophagitis and esophageal ulceration have been reported in patients receiving doxycycline hyclate orally. Most of these patients took medication immediately before going to bed and/or without adequate amount of fluid (see **DOSAGE AND ADMINISTRATION**). If this should occur, doxycycline hyclate should be discontinued until healing occurs. Administration of antacids and/or cimetidine has provided relief in the treatment of such cases. **TO REDUCE THE RISK OF ESOPHAGEAL INJURY, PATIENTS SHOULD BE ADVISED TO TAKE TEVA-DOXYCYCLINE CAPSULES OR TEVA-DOXYCYCLINE TABLETS WITH AN ADEQUATE AMOUNT OF FLUID WHILE STANDING OR SITTING UPRIGHT.** Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should not be given at bedtime.

In long term therapy with Teva-Doxycycline Capsules / Teva-Doxycycline Tablets, periodic laboratory evaluation of organ systems, including hematopoietic, renal and hepatic studies should be performed. Liver function tests should be carried out at regular intervals on patients receiving high doses for prolonged periods of time.

#### Drug interactions

Doxycycline hyclate should be given with caution to patients receiving oral anticoagulants. Because the tetracyclines have been shown to depress plasma prothrombin activity, patients who are on anticoagulant therapy may require downward adjustment of their anticoagulant dosage.

Antacids containing aluminum, calcium or magnesium impair absorption and should not be given to patients taking doxycycline hyclate.

The concurrent use of doxycycline hyclate with alcohol, barbiturates, phenytoin and carbamazepine (hepatic enzyme inducers) has been reported to result in a reduction of plasma half-life of doxycycline, thereby reducing the antimicrobial effectiveness of doxycycline hyclate. This effect may last for several days after discontinuation of therapy with the interacting agent. Therefore, consideration should be given to re-adjustment of the daily dose of doxycycline hyclate when administered concomitantly with alcohol and with drugs known to be enzyme inducers.

It has been reported that concurrent administration of ferrous sulphate (iron) lowered serum concentrations of doxycycline given orally and shortened the serum half-life after a single intravenous injection. In the event that iron and iron-containing products have to be given during treatment with doxycycline hyclate, the interval between administration of each drug should be as wide as possible.

It has been reported that when subsalicylate bismuth was given simultaneously and as a multiple-dose regimen before oral doxycycline hyclate there was a reduced bioavailability of doxycycline. Also peak serum concentrations of doxycycline were significantly decreased when subsalicylate bismuth was given 2 hours before oral doxycycline hyclate but not when given 2 hours after oral doxycycline hyclate. Therefore subsalicylate bismuth should not be taken during therapy with oral doxycycline hyclate.

Since bacteriostatic drugs may interfere with the bactericidal action of penicillin, it is advisable to avoid giving doxycycline hyclate, or any other tetracycline, in conjunction with penicillin.

There have been anecdotal reports that concurrent use of tetracyclines may render oral contraceptives less effective.

The concurrent use of tetracycline and Penthrane (methoxyflurane) has been reported to result in fatal renal toxicity.

Concomitant use of isotretinoin and doxycycline should be avoided because isotretinoin is also known to cause benign intracranial hypertension (pseudotumor cerebri) (**see PRECAUTIONS**).

#### Drug Laboratory Test Interactions

False elevations of urinary catecholamine levels may occur due to interference with the fluorescence test.



## ADVERSE REACTIONS

### GASTROINTESTINAL:

As with other broad spectrum antibiotics administered orally and parenterally, gastro-intestinal disturbances such as decreased appetite, nausea, vomiting, diarrhea, glossitis, dysphagia, stomatitis, proctitis and enterocolitis, may occur, but have rarely been sufficiently troublesome to warrant discontinuation of therapy with doxycycline hyclate. Abdominal pain, dyspepsia (heartburn/gastritis), pseudomembranous colitis, *Clostridium difficile colitis* and inflammatory lesions (with monilial overgrowth) in the anogenital region have also been reported. Due to oral doxycycline's virtually complete absorption, side effects of the lower bowel, particularly diarrhea, have been infrequent.

Cases of esophagitis and esophageal ulcer, sometimes severe, in patients receiving capsule and tablet form of doxycycline hyclate have been reported (see **WARNINGS, PRECAUTIONS, DOSAGE AND ADMINISTRATION, INFORMATION FOR THE PATIENT**).

### AUTONOMIC NERVOUS SYSTEM:

Flushing

### HYPERSENSITIVITY:

Hypersensitivity reactions consisting of urticaria, angioedema, anaphylactic reaction, anaphylactoid reaction, Henoch-Schonlein Purpura, dyspnea, hypotension, pericarditis, peripheral edema, serum sickness, tachycardia and exacerbation of systemic lupus erythematosus have been reported.

### SKIN:

Maculopapular and erythematous rashes, photosensitivity reaction, photo-onycholysis, erythema multiforme, Stevens-Johnson syndrome and Toxic Epidermal Necrolysis have been reported. Exfoliative dermatitis has also been reported but is uncommon (see **WARNINGS, skin**).

### MUSCULO-SKELETAL:

Arthralgia and myalgia.

### CENTRAL NERVOUS SYSTEM:

Headache, fontanelle bulging in infants and benign intracranial hypertension (pseudotumor cerebri) in adults. In relation to benign intracranial hypertension, symptoms included blurring of vision, scotomata and diplopia. Permanent visual loss has

been reported (see **PRECAUTIONS**).

**LIVER/BILIARY:**

There have been reports of hepatotoxicity (including hepatic failure, autoimmune hepatitis and cholestasis) and hepatic function abnormal. As with other tetracyclines, hepatitis, elevation of SGOT or SGPT values have been reported, the significance of which is not known.

**HAEMATOLOGIC:**

Hemolytic anemia, thrombocytopenia, neutropenia, eosinophilia, leukopenia.

**IMMUNE SYSTEM DISORDERS:**

Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)

**HEARING/VESTIBULAR:**

Tinnitus.

**INVESTIGATIONS** (Renal Function Analyses)

Blood urea increased (apparently dose related) has been reported.

**UROGENITAL:**

Vaginal candidiasis (see **PRECAUTIONS**)

**OTHERS:**

When given over prolonged periods tetracyclines have been reported to produce brown-black microscopic discolouration of the thyroid gland. Abnormalities of thyroid function have not been shown to date (see **TOXICOLOGY**, Subacute Toxicity).

**SYMPTOMS AND TREATMENT OF OVERDOSAGE**

Specific information on symptoms or treatment of overdose with doxycycline hyclate is not available. In case of overdose, discontinue medication. Treatment, therefore, should be symptomatic and gastric lavage may be considered for overdose with the oral preparation. Dialysis does not alter serum half-life and thus would not be of benefit in treating cases of overdose.

For management of suspected drug overdose contact your regional Poison Control Centre.
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## **DOSAGE AND ADMINISTRATION**

### **DOSAGE**

EXCEEDING THE RECOMMENDED DOSAGE MAY RESULT IN AN INCREASED INCIDENCE OF SIDE EFFECTS.

**Adults** The recommended dosage of oral Teva-Doxycycline Capsules / Teva-Doxycycline Tablets for the majority of susceptible infections is a single loading dose of 200 mg on the first day of treatment followed by a maintenance dosage of 100 mg once daily at the same time each day thereafter.

In the management of more severe infections (particularly chronic infections of the urinary tract), 200 mg should be given daily throughout the treatment period.

Therapy should be continued for at least 24-48 hours after symptoms and fever have subsided. It should be noted, however, that effective antibacterial levels are usually present 24 to 36 hours following discontinuance of doxycycline hyclate therapy.

When used in streptococcal infections, therapy should be continued for 10 days to prevent the development of rheumatic fever or glomerulonephritis.

For treatment of uncomplicated acute gonococcal infections, the recommended dosage is 200 mg starting and 100 mg in the evening, the first day, followed by 100 mg b.i.d. for 3 days.

For treatment of uncomplicated urethral, endocervical, or vaginal infections in adults associated with *Chlamydia trachomatis* and *Ureaplasma urealyticum*: 100 mg, by mouth, twice a day for at least 10 days.

No alteration in recommended dosage schedule need be made when treating patients with impaired renal function.

### **ADMINISTRATION**

Teva-Doxycycline Capsules / Teva-Doxycycline Tablets should be given with or after a meal in order to minimize the possibility of gastric upset. Antacids and iron preparations impair absorption and should not be given concomitantly to patients taking oral doxycycline hyclate.

Patients should be advised to take Teva-Doxycycline Capsules / Teva-Doxycycline Tablets with a full glass of water, to keep in orthostatic position after the administration and not to go to bed within 1-2 hours after the intake.

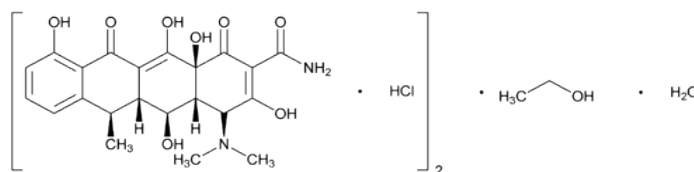
## PHARMACEUTICAL INFORMATION

### CHEMISTRY

Proper Name: Doxycycline hyclate

Chemical Name: 2-Naphthacenecarboxamide, 4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-monohydrochloride, compound with ethanol(2:1), monohydrate, [4S-(4 $\alpha$ ,4 $\alpha$ ,5 $\alpha$ ,5 $\alpha$ ,6 $\alpha$ ,12 $\alpha$ )]

Structural Formula:



Molecular (C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>O<sub>8</sub>•HCl)<sub>2</sub>•C<sub>2</sub>H<sub>6</sub>O•H<sub>2</sub>O

Formula:

Molecular Weight: 1025.87 g/mol

Description:

Doxycycline hyclate is a yellow, hygroscopic crystalline powder, freely soluble in water and in methanol, sparingly soluble in ethanol (96 per cent), it dissolves in solutions of alkali hydroxides and carbonates.

Composition:

**TEVA-DOXYCYCLINE CAPSULES:** each blue, hard gelatin capsule contains: doxycycline hyclate equivalent to 100 mg of doxycycline base and non-medicinal ingredients: microcrystalline cellulose, sodium lauryl sulfate, sodium starch glycolate, magnesium stearate and talc. The capsule shell contains: gelatin, titanium oxide and FD&C blue #1, each capsule is printed with black ink.

**TEVA-DOXYCYCLINE TABLETS:** each orange film coated tablet contains doxycycline hyclate equivalent to doxycycline 100 mg. Also contains colloidal silicon dioxide, FD&C Blue #2, FD&C Red #40, FD&C Yellow #6, hydroxypropyl cellulose, hydroxypropyl methylcellulose, polyethylene glycol, magnesium stearate, microcrystalline cellulose, sodium starch glycolate and titanium dioxide.

## DOSAGE FORMS

### AVAILABILITY

**TEVA-DOXYCYCLINE CAPSULES:** 100 mg are available as yellow powder filled in size '1' hard gelatin capsules with opaque aqua blue cap and body, printed in black ink with 'NOVO' and '100' on the opposing cap and body portions of the capsule, supplied in bottles of 100 and 200

**TEVA-DOXYCYCLINE TABLETS:** 100 mg are available as orange coloured, standard convex film coated tablets with yellow cores engraved 'TV' on one side and '100' on the other side, containing doxycycline hyclate equivalent to 100 mg of doxycycline, supplied in bottles of 100.

### STABILITY AND STORAGE RECOMMENDATIONS:

Store bottles between 15°C and 30°C and protect from light.

## MICROBIOLOGY

Doxycycline is a broad spectrum antibiotic and has been shown to be active *in vitro* against the following Gram-negative, Gram-positive and other micro-organisms:

<i>Staphylococcus aureus</i>	<i>Klebsiella pneumoniae</i>
<i>Staphylococcus epidermidis (albus)</i>	
<i>Streptococcus pyogenes</i>	<i>Salmonella typhi</i>
<i>Streptococcus faecalis</i>	<i>Salmonella typhimurium</i>
<i>Streptococcus pneumoniae</i>	<i>Salmonella enteritidis</i>
<i>Streptococcus viridans</i>	<i>Shigella sonnei</i>
<i>Listeria monocytogenes</i>	<i>Shigella flexneri</i>
<i>Corynebacterium diphtheriae</i>	
<i>Bacillus anthracis</i>	
<i>Bacillus subtilis</i>	
<i>Neisseria gonorrhoeae</i>	
<i>Neisseria catarrhalis</i>	

*Escherichia coli*  
*Enterobacter aerogenes*  
*Pseudomonas aeruginosa*  
*Haemophilus influenzae*  
*Serratia* spp.  
*Brucella* spp.  
*Proteus* spp.  
*Pasteurella* spp.  
*Mycoplasma pneumoniae*  
*Chlamydia trachomatis*  
*Ureaplasma urealyticum*

The drugs in the tetracycline class have closely similar antimicrobial spectra, and cross-resistance among them is common.

### SUSCEPTIBILITY TESTING

The Kirby-Bauer method of disc susceptibility testing (using the 30 µg doxycycline disc) and dilution susceptibility should be interpreted according to the criteria in **TABLE 1**.

**TABLE 1**  
**SUSCEPTIBILITY TEST**

	ZONE DIAMETER (30 µ doxycycline disc) mm	M.I.C. mg/L
Susceptible	≥ 16	≤ 4
Intermediate	13-15	8
Resistant	≤ 12	≥16

### **PHARMACOLOGY**

A comparative two-way, single-dose bioavailability study was carried out in twelve adult volunteers on two 100 mg doxycycline hyclate tablet products, Teva-Doxycycline 100 mg Tablets and Vibra-Tabs 100 mg Tablets. The pharmacokinetic data calculated for the Teva-Doxycycline and Vibra-Tabs formulations is tabulated below:

**TABLE 2**

Pharmacokinetic Indices for Doxycycline Hyclate Tablets:

**Geometric Mean**  
**Arithmetic Mean (C.V.)**

Doxycycline Hyclate (2 x 100 mg) From measured data <b>uncorrected for potency</b> Geometric Mean Arithmetic Mean (CV %)				
Parameter	Teva-Doxycycline * (2 x 100 mg)	Vibra-Tabs † (2 x 100 mg)	% Ratio of Geometric Means	Confidence Interval, 90%
AUC <sub>t</sub> (ng*h/mL)	57.78 60.21 (30)	58.68 60.41 (24)	99	88.95-109.60%
AUC <sub>1</sub> (ng*h/mL)	63.03 65.32 (27)	63.73 65.38 (22)	99	89.79-109.55%
C <sub>max</sub> (ng/mL)	3.22 3.30 (22)	3.28 3.37 (23)	98	91.58-105.04%
T <sub>max</sub> <sup>§</sup> (h)	2.38 (0.88)	2.88 (0.99)		
T <sub>1/2</sub> <sup>§</sup> (h)	19.3 (5)	19.0 (3)		

\* Teva-Doxycycline 100 mg tablets (Teva Canada Limited, Canada)

† Vibra-Tabs 100 mg tablets (Pfizer Canada Inc.) was purchased in Canada.

§ Expressed as the arithmetic mean (CV%) only

A comparative two-way, single-dose bioavailability study was carried out in twelve adult volunteers on two 100 mg doxycycline capsule products, Teva-Doxycycline 100 mg Capsules and Vibramycin 100 mg Capsules. The pharmacokinetic data (mean  $\pm$  standard deviation) calculated for the Teva-Doxycycline and Vibramycin Capsule formulations is tabulated below:

**TABLE 3**

Pharmacokinetic Indices for Doxycycline Capsules:

	<b><u>Teva-Doxycycline 2 x 100 mg</u></b>	<b><u>Vibramycin 2 x 100 mg</u></b>
Area Under the Curve: ( $\mu\text{g}\text{---hours/mL}$ ); 0—96 hours	80.57 $\pm$ 20.46	71.05 $\pm$ 18.94
Peak Plasma Concentration: $C_{\text{max}}$ ( $\mu\text{g/mL}$ )	4.70 $\pm$ 1.45	4.30 $\pm$ 1.15
Time to Peak Plasma Level: $T_{\text{max}}$ (hours)	2.58 $\pm$ 0.51	2.42 $\pm$ 0.90
Plasma Half—Life: $t_{1/2}$ (hours)	13.95 $\pm$ 1.83	13.24 $\pm$ 2.02
Elimination Rate Constant: $K_{\text{el}}$ ( $\text{hours}^{-1}$ )	0.05 $\pm$ 0.01	0.05 $\pm$ 0.01

Serum levels of doxycycline administered orally follow a similar pattern to those obtained with equivalent dosages administered intravenously as shown in **TABLE 4**. Peak serum levels were slightly higher and occurred earlier following intravenous administration than for oral administration (see **TABLE 4**).



**TABLE 4**

Serum levels (mg/L) after oral and I.V. infusion over 60 minutes (0.5 mg/ml) of a total daily dose of 200 mg of doxycycline hyclate on the first day (100 mg every 12 hours) and a dose of 100 mg on the second and third day of administration (22 Male Volunteers/Group).

Time (hr:min)	Mean Serum Level I.V.	Mean Serum Level Capsules	p
0:05	2.455	0.000	<.001
1:00	1.608	1.206	< .01
2:00	1.551	1.643	
3:00	1.421	1.482	
16:00	1.131	1.124	
11:00	0.800	0.815	
13:00	2.397	1.107	<.001
15:00	2.130	2.000	
24:00	1.468	1.663	.088
35:00	1.734	1.725	
48:00	1.159	1.078	
48:05	3.658	1.124	<.001
49:00	2.945	2.147	<.001
50:00	2.848	2.406	.056
51:00	2.760	2.436	
54:00	2.150	1.989	
59:00	1.665	1.516	
72:00	1.021	0.945	
83:00	0.700	0.709	
96:00	0.426	0.399	
107:00	0.247	0.234	
	mean area I.V.	mean area capsules	
AUC (mg•h/L) 0-107 hr	138	128	

Where no p is stated, p>.10

\_\_\_\_ time of dosing

Doxycycline was rapidly and almost completely absorbed following oral administration. The absorption of doxycycline was not significantly influenced by ingestion of food or milk (see **TABLE 5**).

**TABLE 5**

Effect of Food or Milk on Absorption of a Single Oral Dose of Doxycycline 100 mg as Hyclate (5 Male Volunteers/Group).

AVERAGE SERUM LEVELS (mg/L)			
Hours	Breakfast	Fasting	6 oz. milk
0	0	0	0
1	0.966	1.004	1.081
2	1.188	1.377	1.325
3	1.269	1.296	1.244
5	1.036	1.133	1.046
8	0.973	0.936	0.885
12	0.738	0.801	0.686
24	0.498	0.528	0.475

Doxycycline is approximately 93% protein bound. The serum half-life of doxycycline is 18 hours. Doxycycline is excreted in the urine (approximately 35-40% of the administered dose) and in the bile. The volume of distribution is approximately 0.7 L/kg. Hemodialysis does not alter the serum half-life.

Excretion of doxycycline by the kidney is about 40%/72 hours in individuals with normal renal function (creatinine clearance about 75 mL/min.). This percentage excretion may fall to a range as low as 1-5%/72 hours in individuals with severe renal insufficiency (creatinine clearance below 10 mL/min.). The serum half-life of doxycycline is not increased, nor does it accumulate in the blood of patients with impaired renal function.

**TOXICOLOGY**

Doxycycline Hyclate

a) Acute Toxicity

The acute oral and parenteral toxicity of doxycycline in mice, rats and dogs are as follows:

**TABLE 6**

	LD <sub>50</sub> (95% Confidence Limits) mg/kg	
	ORAL	I.V.

Mice	1,900 (1696-2128)	241 (230-253)
Rats	>2,000	228 (202-258)
Dogs	> 500	>100

The intraperitoneal LD<sub>50</sub>'s of doxycycline in weanling and newborn rats are 262 (222-309) and 300 (275-327) mg/kg, respectively.

#### b) Subacute Toxicity

One to 2 1/2-month subacute toxicity studies were conducted in rats, hamsters, dogs and monkeys. Doxycycline induced a yellow fluorescence (under ultraviolet light) of bone, teeth, kidney and/or liver, in all animal species tested. In rats, doxycycline produced no toxic effects in doses of up to 500 mg/kg/day for 30 days. In hamsters, doxycycline in dosages of 500 or 250 mg/kg/day produced weight loss and early death, but the 50 mg/kg level (for 30 days) was nontoxic. In dogs, doxycycline in dosages of 250 mg/kg/day for one month produced discoloration of the thyroid gland with the presence of intracytoplasmic granules in follicular acini and occasional amorphous body formation within follicular colloid.

Certain biochemical, functional and histological changes of the liver occurred in the dogs (but not in the rats, hamsters, or monkeys) receiving doxycycline for 30 days at dosage levels of 250 and 50 mg/kg/day, but not at the 25 mg/kg/day level. The biochemical changes in the blood were elevations of alkaline phosphatase, SGPT and/or BSP retention. Histologic changes were confined to bile ductular proliferation and hepatocellular intracytoplasmic inclusion bodies and Kupffer cells swollen with PAS-positive granular material. These changes in the dog were reversible upon drug withdrawal.

Monkeys which received doxycycline at dosages of 25 and 50 mg/kg/day for 1 1/2 to 2 1/2 months showed mild yellow ultraviolet fluorescence of liver, kidney and bone, and the presence of small amounts of intracytoplasmic granular material in the thyroid gland.

#### c) Chronic Toxicity

In an 18-month chronic toxicity study, rats were fed diets containing doxycycline at levels to provide daily drug intake of 500, 250, 50 and 0 mg/kg. Slight depression of weight gains in some rats receiving the 500 mg/kg/day dose occurred during the middle third of the study. The usual yellow ultraviolet fluorescence of bone, teeth and/or kidneys was seen in rats receiving all levels of doxycycline for 6, 12 or 18 months. Dark to light brown discoloration of the thyroid gland was also noted in rats receiving doxycycline for 12 months at levels of 500 and 250 mg/kg/day, and at 18 months at all levels. The only other change noted was depletion of hepatic glycogen in four rats receiving the highest dose level for 12 months.

Beagle dogs received doxycycline at levels of 10 and 100 mg/kg, six days per week. Moderate to marked elevations of alkaline phosphatase and SGPT (occasionally SGOT) were observed in animals receiving doxycycline, 100 mg/kg/day. One of two dogs receiving doxycycline, 100 mg/kg/day, displayed mild bile ductular proliferation and hepatocellular inclusion bodies after 5 months (biopsy sample) and 12 months (necropsy sample). Administration of doxycycline for 5 and 12 months at a level of 100 mg/kg/day and for 12 months at a level of 10 mg/kg caused black and brownish discoloration of the thyroid gland, respectively, with intracytoplasmic granules. Other changes included vasodilatation and focal areas of necrosis of the mucosa of the pyloric and fundic stomach of dogs, and yellow ultraviolet fluorescence of teeth and bones of animals at 100 mg/kg/day dose levels of doxycycline.

Additional groups of 4 beagles each received doxycycline in dosages of 5, 1 and 0 mg/kg/day for 6 months. The only abnormal findings were slight elevations of SGPT values in 3 dogs at the 5 mg/kg level at 180 days.

In a one year chronic toxicity study, groups of four rhesus monkeys each received doxycycline in oral doses of 0, 5, 25 and 50 mg/kg/day, respectively. Oral dosage of 100 mg/kg produced severe gastrointestinal symptoms, e.g., vomiting and diarrhea. In one out of 4 monkeys receiving the 50 mg/kg/day dose, occasional anorexia and diarrhea were observed during the first six months.

Significant pathologic changes noted in monkeys sacrificed after receiving doxycycline for 1 year at dose levels of 50 mg/kg/day were: 1) grossly, very light brown discoloration of the thyroid gland in one of the four monkeys, and 2) microscopically, brownish intracytoplasmic inclusions in the acinar cells of thyroid follicles of three out of four monkeys. Bone and dentin exhibited slight to moderate ultraviolet fluorescence.

Two monkeys, in another study, receiving the 25 mg/kg/day dosage, were sacrificed after 6 and 8 months on test, respectively. Significant gross and histopathologic findings were slight yellow ultraviolet fluorescence of the endosteum and periosteum of bone, and microscopic appearance of small amounts of granular intracytoplasmic material in the acinar cells of thyroid follicles.

The highlights of the chronic toxicity studies can be summarized as follows:

- 1) Discoloration of the thyroid gland, with deposition of intracytoplasmic granules in the acinar cells of the follicle. Thyroid function, however, did not seem to be affected. This phenomenon appears to be a result of the interaction of the antibiotic with the active iodinating system of the gland.
- 2) Yellow staining of bones and teeth, which is thought to be due to formation of a tetracycline-calcium-phosphate complex.

Otherwise doxycycline was well tolerated by the rat and monkey at doses up to and including 500 and 50 mg/kg/day for 18 and 12 months, respectively. In dogs, however, repeated daily oral administration of large doses of doxycycline resulted in certain hepatic functional and histopathologic changes which are reversible after drug withdrawal. No adverse hepatic effects were noted in the hamster (1 month), rats (18 months) or monkeys (12 months) for doses up to and including 500, 500 and 50 mg/kg/day, respectively. In view of this and in view of the lack of notable toxicity in our wide human clinical program, it is our opinion that this is a species specific phenomenon, for the dog only.

#### d) Reproduction and Teratogenic Studies

Doxycycline has no teratologic effects in rats, rabbits or monkeys.

Breeding rats received doxycycline by gavage in doses of 50 and 250 mg/kg/day prior to and throughout two consecutive litters. There was no evidence that doxycycline interfered with the reproductive process in rats.

Pregnant female white New Zealand rabbits received doxycycline orally in doses of 8 and 40 mg/kg/day, respectively, from day 8 to day 16 of pregnancy. Spina bifida and partial anencephaly in one pup each in the control and the 8 mg/kg group, respectively, are believed to be spontaneous and drug-induced.

In teratogenic studies using a limited number of monkeys, doxycycline, in doses ranging from 1 to 50 mg/kg/day, did not produce any teratologic effects.

#### Doxycycline Monohydrate

With bulk doxycycline monohydrate administered in a 10% aqueous suspension, the oral LD<sub>50</sub> for albino male mice was greater than 5000 mg/kg.

#### Doxycycline Hyclate with Ascorbic Acid

Studies in mice and rats showed the LD<sub>50</sub> of Doxycycline I.V. to be 75 mg/kg in mice and 88 mg/kg in rats of doxycycline (using a preparation of doxycycline hyclate equivalent to 100 mg of doxycycline with 480 mg of ascorbic acid as a sterile powder).

No signs of drug toxicity were seen in dogs receiving 20 to 21 daily doses of Doxycycline I.V. at a dose level of 5 mg/kg when administered as a 0.5% solution at a rate of 1 mg/kg/min. Dogs receiving 14, 16 or 17 daily intravenous doses of 10 mg Doxycycline I.V. per kg of bodyweight, or 4 daily 60 minute infusions of 300 mg Doxycycline I.V., or 300 mg degraded Doxycycline I.V. evidenced serum alkaline phosphatase and serum glutamic pyruvic transaminase elevations. No morphological

basis for these enzyme elevations was established although moderate bile ductular proliferation was seen in 1 of 2 dogs receiving 4 daily intravenous infusions of degraded Doxycycline I.V.

In 8 dogs receiving daily intravenous doses of 10 mg Doxycycline I.V./kg/day (0.5% solution), 5 of 24 vessels used for injections evidenced degrees of thrombosis with recanalization.

Thrombosis in 3 of 6 sites occurred in 2 dogs receiving infusions of degraded Doxycycline I.V. (30 mg/kg-0.5% solution). Injection site thrombosis did not occur in 6 dogs (18 sites) receiving daily doses of 5 mg Doxycycline I.V./kg bodyweight administered as a 0.5% solution at a rate of 1 mg/kg/min (approximately 1 mL/min).

Studies to date indicate that the maximum tolerated intravenous daily dose of Doxycycline I.V. in dogs for 21 consecutive days is 5 mg/kg/day when administered as a 0.5% solution at a rate of 1 mg/kg/min.

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**READ THIS FOR SAFE AND EFFECTIVE USE OF YOUR MEDICINE  
PATIENT MEDICATION INFORMATION**

<sup>Pr</sup> **Teva-Doxycycline Capsules**

Doxycycline Hyclate Capsules, USP  
*100 mg doxycycline (as doxycycline hyclate)*

<sup>Pr</sup> **Teva-Doxycycline Tablets**

Doxycycline Hyclate Tablets, USP  
*100 mg doxycycline (as doxycycline hyclate)*

Read this carefully before you start taking Teva-Doxycycline Capsules/Teva-Doxycycline Tablets and each time you get a refill. This leaflet is a summary and will not tell you everything about this drug. Talk to your healthcare professional about your medical condition and treatment and ask if there is any new information about Teva-Doxycycline Capsules/Teva-Doxycycline Tablets.

**What is Teva-Doxycycline Capsules/Teva-Doxycycline Tablets used for?**

- Teva-Doxycycline Capsules/Teva-Doxycycline Tablets is used to treat infections caused by germs (bacteria).
- Teva-Doxycycline Capsules/Teva-Doxycycline Tablets is **NOT** used to treat viral infections (e.g. the common cold).

**How does Teva-Doxycycline Capsules/Teva-Doxycycline Tablets work?**

- Teva-Doxycycline Capsules/Teva-Doxycycline Tablets is an antibiotic. It stops the bacteria's ability to make what it needs to grow new cells. This helps get rid of the infection.

**What are the ingredients in Teva-Doxycycline Capsules/Teva-Doxycycline Tablets?**

Medicinal ingredients:

- Teva-Doxycycline Capsules/Teva-Doxycycline Tablets: doxycycline hyclate.

Non-medicinal ingredients:

- **TEVA-DOXYCYCLINE CAPSULES:** FD&C Blue #1, gelatin, magnesium stearate, microcrystalline cellulose, sodium lauryl sulfate, sodium starch glycolate talc and titanium dioxide.
- **TEVA-DOXYCYCLINE TABLETS:** colloidal silicon dioxide, FD&C Blue #2, FD&C Red #40, FD&C Yellow #6, hydroxypropyl cellulose, hydroxypropyl methylcellulose, polyethylene glycol, magnesium stearate, microcrystalline cellulose, sodium starch glycolate and titanium dioxide.

**Teva-Doxycycline Capsules/Teva-Doxycycline Tablets comes in the following dosage**

**forms:**

- **TEVA-DOXYCYCLINE CAPSULES:** 100 mg are available as blue hard gelatin capsules.
- **TEVA-DOXYCYCLINE TABLETS:** 100 mg are available as orange film coated tablets.

**Do not use Teva-Doxycycline Capsules/Teva-Doxycycline Tablets if you:**

- are allergic to this drug.
- are allergic to any of the ingredients in these products. See also “What are the ingredients in Teva-Doxycycline Capsules/Teva-Doxycycline Tablets” above.
- are allergic to tetracycline drugs (a class of antibiotics).
- have myasthenia gravis (a muscle disease).
- are taking isotretinoin (e.g. Accutane). See the next section, “To help avoid side effects and ensure proper use”.

**To help avoid side effects and ensure proper use, talk to your healthcare professional before you take Teva-Doxycycline Capsules/Teva-Doxycycline Tablets. Talk about any health conditions or problems you may have, including if you:**

- are pregnant or plan to become pregnant.
- are breastfeeding or planning to breastfeed. Some of this drug may pass to your baby.
- Teva-Doxycycline Capsules/Teva-Doxycycline Tablets are not recommended for women who are breastfeeding.
- have trouble swallowing.
- have health problems that affect or block the tube that carries food from your mouth to your stomach (esophagus).

Teva-Doxycycline Capsules/Teva-Doxycycline Tablets should not be used in children under 8 years of age.

Tetracyclines such as Teva-Doxycycline Capsules/Teva-Doxycycline Tablets may cause a serious side effect, benign intracranial hypertension (pressure around the brain) with symptoms such as headache, nausea, vomiting and vision loss. If this occurs, contact your doctor immediately. Do not use Teva-Doxycycline Capsules/Teva-Doxycycline Tablets and isotretinoin together as they both can cause this effect.

**Tell your healthcare professional about all the medicines you take, including any drugs, vitamins, minerals, natural supplements or alternative medicines.**

Do not take Teva-Doxycycline Capsules/Teva-Doxycycline Tablets with:

- alcohol.
- barbiturates (drugs that help you sleep).

- phenytoin (a drug that controls epilepsy).
- carbamazepine (a drug that controls epilepsy).
- methoxyflurane (an anaesthetic).
- Some drugs can make Teva-Doxycycline Capsules/Teva-Doxycycline Tablets not work as well as it should. These include:
  - drugs to thin the blood (oral anticoagulants).
  - penicilin, a drug to treat infections.
  - drugs to treat upset stomach that contain bismuth subsalicylate.
  - drugs to treat heartburn that contain aluminum, calcium or magnesium.
  - products that contain iron.

Do not take these drugs at the same time of day as Teva-Doxycycline Capsules/Teva-Doxycycline Tablets.

**Birth control pills may not work if you are on them while taking Teva-Doxycycline Capsules/Teva-Doxycycline Tablets.** You should use other birth control while taking these products and for 7 days after stopping.

**How to take Teva-Doxycycline Capsules/Teva-Doxycycline Tablets:**

- Take this medicine exactly as your doctor has told you to.
- Do not skip doses.
- Stop taking Teva-Doxycycline Capsules/Teva-Doxycycline Tablets right away if you become pregnant.
- Tell your doctor if you become pregnant.
- Do not use Teva-Doxycycline Capsules/Teva-Doxycycline Tablets to treat any other medical problems unless your doctor tells you to.
- This medicine has been prescribed for you only. Do not share it with others. It may harm them, even if their symptoms are the same as yours.
- Do not stop taking this medicine until you have taken all of it, even if you feel better.
- Stopping this medicine early may:
  - increase the risk that bacteria will become resistant to it.
  - make this product not work as well in the future.

**Usual dose:**

- Take your medicine when your doctor tells you.
- Take the amount of medicine your doctor tells you.
- Take your medicine with or after a meal.

- Take your medicine with a glass of water.
- Take your medicine while standing or sitting.
- After taking your medicine, wait at least 1 to 2 hours before lying down.

**Overdose:** If you think you have taken too much Teva-Doxycycline Capsules/Teva-Doxycycline Tablets, call your doctor, pharmacist, hospital, or Poison Control Centre right away. Do this even if there are no symptoms.

**Missed Dose:**

- If you forget to take Teva-Doxycycline Capsules/Teva-Doxycycline Tablets take it as soon as you remember unless it is time to take the next dose.
- Continue taking the rest of the doses as your doctor has told you to.
- Do not take more than one dose at a time.

**What are possible side effects from using Teva-Doxycycline Capsules/Teva-Doxycycline Tablets?**

These are not all the possible side effects you may feel when taking Teva-Doxycycline Capsules/Teva-Doxycycline Tablets. If you experience any side effects not listed here, contact your healthcare professional. Please also see Warnings and Precautions.

*Clostridium difficile* is a kind of bacteria that can be found in the bowel (gut). It can cause severe diarrhea and bowel inflammation (colitis) for some patients on antibiotics like Teva-Doxycycline Capsules/Teva-Doxycycline Tablets. Symptoms are:

- bloody or watery diarrhea with or without fever.
- stomach cramps.
- stomach pain.

If this occurs, stop taking Teva-Doxycycline Capsules/Teva-Doxycycline Tablets and contact your healthcare professional right away.

Other side effects that may occur while using Teva-Doxycycline Capsules/Teva-Doxycycline Tablets:

- change in tooth colour.
- diarrhea.
- loss of appetite.
- nausea.
- stomach pain.
- vomiting.

If these become bothersome, contact your doctor.

You may be sensitive to the sun when taking Teva-Doxycycline Capsules/Teva-Doxycycline Tablets.

- You could get a sunburn.
- If you will be in direct sunlight protect your skin, use sunscreen.
- Avoid excessive sunlight.
- Avoid tanning beds.
- Stop using Teva-Doxycycline Capsules/Teva-Doxycycline Tablets if you become sensitive to the sun. Symptoms of sun sensitivity include rash, blisters or skin break outs.

<b>Serious side effects and what to do about them</b>			
Symptom / effect	Talk to your healthcare professional		Stop taking drug and get immediate medical help
	Only if severe	In all cases	
<b>UNKNOWN</b>			
Pain or difficulty swallowing	✓		
Rash	✓		
Yeast infection		✓	
Hypersensitivity (allergic) reaction. Symptoms are: <ul style="list-style-type: none"> <li>• difficulty breathing.</li> <li>• fast heartbeat.</li> <li>• dizziness.</li> <li>• itching.</li> <li>• rash.</li> <li>• skin blistering.</li> </ul>			✓
Autoimmune adverse drug reactions. Symptoms are: <ul style="list-style-type: none"> <li>• swelling of hands and feet.</li> <li>• muscle and joint pain.</li> <li>• rash.</li> </ul>			✓
Benign intracranial hypertension (high blood pressure in the brain). Symptoms are: <ul style="list-style-type: none"> <li>• headache.</li> <li>• nausea.</li> </ul>			✓



<ul style="list-style-type: none"> <li>• vomiting.</li> <li>• visual disturbances (e.g. blurred vision, double vision, blank spots).</li> </ul>			
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If you have a troublesome symptom or side effect that is not listed here or becomes bad enough to interfere with your daily activities, talk to your healthcare professional.

### Reporting Side Effects

You can report any suspected side effects associated with the use of health products to Health Canada by:

- Visiting the Web page on Adverse Reaction Reporting (<https://www.canada.ca/en/health-canada/services/drugs-health-products/medeffect-canada/adverse-reaction-reporting.html>) for information on how to report online, by mail or by fax; or
- Calling toll-free at 1-866-234-2345.

*NOTE: Contact your health professional if you need information about how to manage your side effects. The Canada Vigilance Program does not provide medical advice.*

### How to store Teva-Doxycycline Capsules / Teva-Doxycycline Tablets:

Store bottles between 15°C and 30°C and protect from light.

Keep out of reach and sight of children.

You should not use your medication after the expiration date printed on the carton and label.

This document plus the full product monograph, prepared for health professionals can be found by contacting Teva Canada Limited by:

Phone: 1-800-268-4127 ext. 3;

Email: [druginfo@tevacanada.com](mailto:druginfo@tevacanada.com); or

Fax: 1-416-335-4472

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