Use the Preparation Mat on the following pages to organize your COPAXONE® (glatiramer acetate injection) injection supplies

For your convenience, both a small and a large version of the Preparation Mat is included.

Supplies checklist:
- COPAXONE® Pre-filled Syringe
- The autoject®2 for glass syringe (if you are using it)
- A warm/cold compress (if you are using it)
- An alcohol wipe
- A dry cotton ball
- A needle clipper or a Sharps disposal container according to your local guidelines

Use
COPAXONE® is prescription medicine used for the treatment of people with relapsing forms of multiple sclerosis (MS).

Important Safety Information
Do not take COPAXONE® if you are allergic to glatiramer acetate or mannitol.

Some patients report a short-term reaction right after or within minutes after injecting COPAXONE®.

Please see additional Important Safety Information throughout, and full Prescribing Information beginning on page 6
Important Safety Information (continued)

This reaction can involve flushing (feeling of warmth and/or redness), chest tightness or pain, fast heart beat, anxiety, and trouble breathing. These symptoms generally appear within seconds to minutes of an injection, last about 15 minutes, and do not require specific treatment. During the postmarketing period, there have been reports of patients with similar symptoms who received emergency medical care. If symptoms become severe, call the emergency phone number in your area.

Helpful hints:
- Rotate your injection areas and sites within each area
- Avoid injecting into sites with tattoos and skin irregularities
- Do not rub or massage the site during the same day you have injected

Please see additional Important Safety Information throughout and full Prescribing Information beginning on page 6
**Important Safety Information (continued)**

Call your doctor right away if you develop hives, skin rash with irritation, dizziness, sweating, chest pain, trouble breathing, or severe pain at the injection site. If any of the above occurs, do not give yourself any more injections until your doctor tells you to begin again.

Chest pain may occur either as part of the immediate post-injection reaction or on its own. This pain should only last a few minutes.

---

**Preparation Mat**

Large version

- Using a warm compress may help make your injection more comfortable

- Clean the injection site with a fresh alcohol wipe and let your skin air-dry completely before injecting

- Warm/cold compress
  (If you are using it)

- Alcohol wipe

- Dry cotton ball
Do not take COPAXONE® if you are allergic to glatiramer acetate or mannitol.

COPAXONE® (glatiramer acetate injection) Pre-filled Syringe

- COPAXONE® should be injected when it is at room temperature
- Take the COPAXONE® Pre-filled Syringe out of the refrigerator at least 20 minutes before you inject

Questions or need supplies?
Call Teva’s Shared Solutions®
1-800-887-8100

Important Safety Information (continued)
Do not take COPAXONE® if you are allergic to glatiramer acetate or mannitol.
Important Safety Information (continued)

Some patients report a short-term reaction right after or within minutes after injecting COPAXONE® (glatiramer acetate injection). This reaction can involve flushing (feeling of warmth and/or redness), chest tightness or pain, fast heart beat, anxiety, and trouble breathing. These symptoms generally appear within seconds to minutes of an injection, last about 15 minutes, and do not require specific treatment. During the postmarketing period, there have been reports of patients with similar symptoms who received emergency medical care. If symptoms become severe, call the emergency phone number in your area. Call your doctor right away if you develop hives, skin rash with irritation, dizziness, sweating, chest pain, trouble breathing, or severe pain at the injection site. If any of the above occurs, do not give yourself any more injections until your doctor tells you to begin again.

Chest pain may occur either as part of the immediate post-injection reaction or on its own. This pain should only last a few minutes. You may experience more than one such episode, usually beginning at least one month after starting treatment. Tell your doctor if you experience chest pain that lasts for a long time or feels very intense.

A permanent indentation under the skin (lipoatrophy or, rarely, necrosis) at the injection site may occur, due to local destruction of fat tissue. Be sure to follow proper injection technique and inform your doctor of any skin changes.

The most common side effects of COPAXONE® include redness, pain, swelling, itching, or a lump at the site of injection, flushing, rash, shortness of breath, and chest pain. These are not all of the possible side effects of COPAXONE®. For a complete list, ask your doctor or pharmacist. Tell your doctor about any side effects you have while taking COPAXONE®.

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch or call 1-800-FDA-1088.

Please see full Prescribing Information beginning on page 6.
**INDICATIONS AND USAGE**

COPAXONE is indicated for the treatment of patients with relapsing-forms of multiple sclerosis (1).

**DOSE AND ADMINISTRATION**

- For subcutaneous injection only; doses are not interchangeable (2.1)
- COPAXONE 20 mg/mL per day (2.1)
- COPAXONE 40 mg/mL three times per week (2.1)
- Before use, allow the solution to warm to room temperature (2.2)

**DOSE FORMS AND STRENGTHS**

- Injection: 20 mg/mL in a single-dose prefilled syringe with a white plunger (3)
- Injection: 40 mg/mL in a single-dose, prefilled syringe with a blue plunger (3)

**CONTRAINDICATIONS**

Known hypersensitivity to glatiramer acetate or mannitol (4)

---

**WARNINGS AND PRECAUTIONS**

- Immediate Post-Injection Reaction (flushing, chest pain, palpitations, tachycardia, anxiety, dyspnea, throat constriction, and/or urticaria), may occur within seconds to minutes after injection and are generally transient and self-limiting (5.1)
- Chest pain, usually transient (5.2)
- Lipatrophy and skin necrosis may occur. Instruct patients in proper injection technique and to rotate injection sites (5.3)
- COPAXONE can modify immune response (5.4)

**ADVERSE REACTIONS**

- In controlled studies of COPAXONE 20 mg/mL, most common adverse reactions (>10% and >1.5 times higher than placebo) were: injection site reactions, vasodilatation, rash, dyspnea, and chest pain (6.1)
- In a controlled study of COPAXONE 40 mg/mL, most common adverse reactions (>10% and >1.5 times higher than placebo) were: injection site reactions (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Teva Pharmaceuticals at 1-888-483-8279 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

**USE IN SPECIFIC POPULATIONS**

- Nursing Mothers: It is not known if COPAXONE is excreted in human milk (8.3)
- Pediatric Use: The safety and effectiveness of COPAXONE have not been established in patients under 18 years of age (8.4)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.

Revised: 9/2018
Although COPAXONE® is intended to minimize the autoimmune response to myelin, there is the possibility that continued alteration of cellular immunity due to chronic treatment with COPAXONE may result in untoward effects. Glatiramer acetate-reactive antibodies are formed in most patients receiving glatiramer acetate. Studies in both the rat and monkey have suggested that immune complexes are deposited in the renal glomeruli. Furthermore, in a controlled trial of 125 RMS patients given COPAXONE 20 mg per mL, subcutaneously every day for 2 years, serum IgG levels reached at least 3 times baseline values in 80% of patients by 3 months of initiation of treatment. By 12 months of treatment, however, 30% of patients still had IgG levels at least 3 times baseline values, and 90% had levels above baseline by 12 months. The antibodies are exclusively of the IgG-1 subtype. No IgE type antibodies could be detected in any of the 94 sera by 12 months. The antibodies are exclusively of the IgG subtype and predominantly had IgG levels at least 3 times baseline values, and 90% had levels above baseline of initiation of treatment. By 12 months of treatment, however, 30% of patients still had IgG levels reached at least 3 times baseline values in 80% of patients by 3 months. Patients given COPAXONE 20 mg per mL, subcutaneously every day for 2 years, serum IgG levels reached at least 3 times baseline values in 80% of patients by 3 months of initiation of treatment. By 12 months of treatment, however, 30% of patients still had IgG levels at least 3 times baseline values, and 90% had levels above baseline by 12 months. The antibodies are exclusively of the IgG-1 subtype. No IgE type antibodies could be detected in any of the 94 sera tested; nevertheless, anaphylaxis can be associated with the administration of most any foreign substance, and therefore, this risk cannot be excluded.

### ADVERSE REACTIONS

The following serious adverse reactions are described elsewhere in the labeling:

- **Immediate Post-Injection Reaction**
- **Potential Effects on Immune Response**

#### 6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

### Incidence in Controlled Clinical Trials COPAXONE 20 mg per mL per day

Among 563 patients treated with COPAXONE in blinded placebo-controlled trials, approximately 5% of the subjects discontinued treatment because of an adverse reaction. The adverse reactions most commonly associated with discontinuation were: injection site reactions, dyspnea, urticaria, vasodilatation, and hypersensitivity. The most common adverse reactions were: injection site reactions, vasodilatation, rash, dyspnea, and chest pain.

Table 1 lists signs and symptoms that occurred in at least 2% of patients treated with COPAXONE 20 mg per mL in the placebo-controlled trials. These signs and symptoms were numerically more common in patients treated with COPAXONE than in patients treated with placebo. Adverse reactions were usually mild in intensity.

#### Table 1: Adverse reactions in controlled clinical trials with an incidence ≥2% of patients and more frequent with COPAXONE (20 mg per mL daily) than with placebo

<table>
<thead>
<tr>
<th>Category</th>
<th>COPAXONE 20 mg/mL (n=563)</th>
<th>Placebo (n=564)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blood And Lymphatic System Disorders</td>
<td>Lymphadenopathy 7% 3%</td>
<td></td>
</tr>
<tr>
<td>Cardiac Disorders</td>
<td>Palpitations 9% 4%</td>
<td>Tachycardia 5% 2%</td>
</tr>
<tr>
<td>Eye Disorders</td>
<td>Eye Disorder 3% 1%</td>
<td>Diplopia 3% 2%</td>
</tr>
<tr>
<td>Gastrointestinal Disorders</td>
<td>Nausea 15% 11%</td>
<td>Vomiting 7% 4%</td>
</tr>
<tr>
<td>General Disorders And Administration Site Conditions</td>
<td>Injection Site Erythema 43% 10%</td>
<td>Injection Site Pain 40% 20%</td>
</tr>
<tr>
<td></td>
<td>Injection Site Pruritus 27% 4%</td>
<td>Injection Site Mass 26% 6%</td>
</tr>
<tr>
<td></td>
<td>Asthenia 22% 21%</td>
<td>Pain 20% 17%</td>
</tr>
<tr>
<td></td>
<td>Injection Site Edema 19% 4%</td>
<td>Chest Pain 13% 6%</td>
</tr>
<tr>
<td></td>
<td>Injection Site Inflammation 9% 1%</td>
<td>Edema 8% 2%</td>
</tr>
<tr>
<td></td>
<td>Injection Site Reaction 8% 1%</td>
<td>Pyrexia 6% 5%</td>
</tr>
<tr>
<td></td>
<td>Injection Site Hypersensitivity 4% 0%</td>
<td>Local Reaction 3% 1%</td>
</tr>
<tr>
<td></td>
<td>Vaginal Candidiasis 4% 2%</td>
<td></td>
</tr>
</tbody>
</table>

Frequent Adverse Reactions

- Injection Site Atrophy
- Injection Site Fibrosis
- Hypersensitivity
- Back Pain
- Benign Neoplasm of Skin
- Tremor
- Migraine
- Syncope
- Anxiety
- Back Pain
- Vaginal Candidiasis
- Rash
- Hyperhidrosis
- Pruritus
- Urticaria

In the paragraphs that follow, the frequencies of less commonly reported adverse clinical reactions are presented. Because the reports include reactions observed in open and uncontrolled premarketing studies (n=979), the role of COPAXONE in their causation cannot be reliably determined. Furthermore, variability associated with adverse reaction reporting, the terminology used to describe adverse reactions, etc., limit the value of the quantitative frequency estimates provided. Reaction frequencies are calculated as the number of patients who used COPAXONE and reported a reaction divided by the total number of patients exposed to COPAXONE. All reported reactions are included except those already listed in the previous table, those too general to be informative, and those not reasonably associated with the use of the drug. Reactions are further classified within body system categories and enumerated in order of decreasing frequency using the following definitions:

- **Frequent** adverse reactions are defined as those occurring in at least 1/100 patients and infrequent adverse reactions are those occurring in 1/100 to 1/1,000 patients.
COPAXONE® (glatiramer acetate injection)

Body as a Whole:
- Frequent: Abscess
- Infrequent: Injection site hematoma, face rash, cellulitis, hernia, injection site abscess, serum sickness, suicide attempt, injection site hypertrophy, injection site melanoma, lipoma, and photosensitivity reaction.

Cardiovascular:
- Frequent: Hypertension.
- Infrequent: Hypotension, midystolic click, systolic murmur, atrial fibrillation, bradycardia, fourth heart sound, postural hypotension, and varicose veins.

Digestive:
- Frequent: Dry mouth, stomatitis, burning sensation on tongue, cholecystitis, colitis, esophageal ulcer, esophagitis, gastrointestinal carcinoma, gum hemorrhage, hepatomegaly, increased appetite, melena, mouth ulceration, pancreas disorder, pancreatitis, rectal hemorrhage, tenesmus, tongue discoloration, and duodenal ulcer.
- Endocrine:
  - Infrequent: Goiter, hyperthyroidism, and hypothyroidism.

Gastrointestinal:
- Frequent: Bowel urgency, oral moniliasis, salivary gland enlargement, tooth caries, and ulcerative stomatitis.

Hemic and Lymphatic:
- Infrequent: Leukopenia, anemia, cyanosis, eosinophilia, hematemesis, lymphedema, pancytopenia, and splenomegaly.

Metabolic and Nutritional:
- Infrequent: Weight loss, alcohol intolerance, Cushing’s syndrome, gout, abnormal healing, and xanthoma.

Musculoskeletal:
- Infrequent: Arthritis, muscle atrophy, bone pain, bursitis, kidney pain, muscle disorder, myopathy, osteomyelitis, tendon pain, and tenosynovitis.

Nervous:
- Frequent: Abnormal dreams, emotional lability, and stupor.
- Infrequent: Ataxia, astasia, convulsion, circumoral paresthesia, depersonalization, hallucinations, hostility, hypokinesia, coma, concentration disorder, facial paralysis, decreased libido, manic reaction, memory impairment, myoclonus, neuralgia, paranoid reaction, paraplegia, psychotic depression, and transient stupor.

Respiratory:
- Frequent: Hyperventilation and hay fever.
- Infrequent: Asthma, pneumonia, epistaxis, hyperventilation, and voice alteration.

Skin and Appendages:
- Frequent: Eczema, herpes zoster, purpura rash, skin atrophy, and warts.
- Infrequent: Dry skin, skin hypertrophy, dermatitis, furunculosis, psoriasis, Frequent: Eczema, herpes zoster, purpura rash, skin atrophy, and warts.

Special Senses:
- Frequent: Visual field defect.
- Infrequent: Dry eyes, otitis externa, ptosis, cataract, corneal ulcer, mydriasis, optic neuritis, photophobia, and taste loss.

Urogenital:
- Frequent: Amenorrhea, hematuria, impotence, menorrhagia, suspicious papanicolaou smear, urinary frequency, and vaginal hemorrhage.
- Infrequent: Vaginitis, flank pain (kidney), abortion, breast engorgement, breast enlargement, carcinoma in situ cervix, fibrocystic breast, kidney calculus, nocturia, ovarian cyst, priapism, pyelonephritis, abnormal sexual function, and urethritis.

COPAXONE 40 mg per mL three times per week:
Among 943 patients treated with COPAXONE 40 mg per mL in the blinded, placebo-controlled trial, approximately 3% of the subjects discontinued treatment because of an adverse reaction. The most common adverse reactions were injection site reactions, which were also the most common cause of discontinuation. Table 2 lists signs and symptoms that occurred in at least 2% of patients treated with COPAXONE 40 mg per mL in the blinded, placebo-controlled trial. These signs and symptoms were numerically more common in patients treated with COPAXONE 40 mg per mL than in patients treated with placebo. Adverse reactions were usually mild in intensity.

COPAXONE® (glatiramer acetate injection)

Table 2: Adverse reactions in a controlled clinical trial with an incidence ≥2% of patients and more frequent with COPAXONE (40 mg per mL three times per week) than with placebo

<table>
<thead>
<tr>
<th>Condition</th>
<th>COPAXONE 40 mg/mL (n=943)</th>
<th>Placebo (n=461)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Disorders And Administration Site Conditions</td>
<td>Injection Site Erythema 22% 2%</td>
<td>\</td>
</tr>
<tr>
<td></td>
<td>Injection Site Pain 10% 2%</td>
<td>\</td>
</tr>
<tr>
<td></td>
<td>Injection Site Mass 6% 0%</td>
<td>\</td>
</tr>
<tr>
<td></td>
<td>Injection Site Pruritus 6% 0%</td>
<td>\</td>
</tr>
<tr>
<td></td>
<td>Injection Site Edema 6% 0%</td>
<td>\</td>
</tr>
<tr>
<td>Respiratory, Thoracic and Mediastinal Disorders</td>
<td>Dyspnea 3% 0%</td>
<td>\</td>
</tr>
<tr>
<td>Vascular Disorders</td>
<td>Vasodilatation 3% 0%</td>
<td>\</td>
</tr>
<tr>
<td>Gastrointestinal Disorders</td>
<td>Nausea 2% 1%</td>
<td>\</td>
</tr>
<tr>
<td>Skin And Subcutaneous Tissue Disorders</td>
<td>Erythema 2% 0%</td>
<td>\</td>
</tr>
<tr>
<td></td>
<td>Rash 2% 1%</td>
<td>\</td>
</tr>
</tbody>
</table>

No new adverse reactions appeared in subjects treated with COPAXONE 40 mg per mL three times per week as compared to subjects treated with COPAXONE 20 mg per mL per day in clinical trials and during postmarketing experience. Data on adverse reactions occurring in the controlled clinical trial of COPAXONE 40 mg per mL were analyzed to evaluate differences based on sex. No clinically significant differences were identified. Ninety-eight percent of patients in this clinical trial were Caucasian and the majority were between the ages of 18 and 50. Consequently, data are inadequate to perform an analysis of the adverse reaction incidence related to clinically-relevant age groups.

6.2 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of COPAXONE. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure. Body as a Whole: sapsis, SLE syndrome, hydrocephalus; enlarged abdomen; allergic reaction; anaphylactoid reaction Cardiovascular System: thrombosis; peripheral vascular disease; pericardial effusion; myocardial infarct; deep thrombophlebitis; coronary occlusion; congestive heart failure; cardiomyopathy; cardiomegaly; arrhythmia; angina pectoris Digestive System: tongue edema; stomach ulcer; hemorrhage; liver function abnormality; liver damage; hepatitis; eructation; cirrhosis of the liver; cholelithiasis Hemic and Lymphoid System: thrombocytopenia; lymphoma-like reaction; acute leukemia Metabolic and Nutritional Disorders: hypercholesterolemia Musculoskeletal System: rheumatoid arthritis; generalized spasm Nervous System: myelitis; meningitis; CNS neoplasm; cerebrovascular accident; brain edema; abnormal dreams; aphasia; convulsion; neuralgia Respiratory System: pulmonary embolus; pleural effusion; carcinoma of lung Special Senses: glaucoma; blindness Urogenital System: urethral neoplasm; urine abnormality; ovarian carcinoma; nephrosis; kidney failure; breast carcinoma; bladder carcinoma; urinary frequency

7 DRUG INTERACTIONS

Interactions between COPAXONE and other drugs have not been fully evaluated. Results from existing clinical trials do not suggest any significant interactions of COPAXONE with therapies commonly used in MS patients, including the concurrent use of corticosteroids for up to 28 days. COPAXONE has not been formally evaluated in combination with interferon beta.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Category B.

Administration of glatiramer acetate by subcutaneous injection to pregnant rats and rabbits resulted in no adverse effects on offspring development. There are no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, COPAXONE should be used during pregnancy only if clearly needed.

In rats and rabbits receiving glatiramer acetate by subcutaneous injection during the period of organogenesis, no adverse effects on embryo-fetal development were observed at doses up to 37.5 mg/kg/day (18 and 36 times, respectively, the therapeutic human dose of 20 mg/day on a mg/m² basis). In rats receiving subcutaneous glatiramer acetate at
doses of up to 36 mg/kg from day 15 of pregnancy throughout lactation, no significant effects on delivery or on offspring growth and development were observed.

8.2 Labor and Delivery
The effects of COPAXONE on labor and delivery in pregnant women are unknown.

8.3 Nursing Mothers
It is not known if glatiramer acetate is excreted in human milk. Because many drugs are excreted in human milk, caution should be exercised when COPAXONE is administered to a nursing woman.

8.4 Pediatric Use
The safety and effectiveness of COPAXONE have not been established in children under 18 years of age.

8.5 Geriatric Use
COPAXONE has not been studied in elderly patients.

8.6 Use in Patients with Impaired Renal Function
The pharmacokinetics of glatiramer acetate in patients with impaired renal function have not been determined.

11 DESCRIPTION
Glatiramer acetate, the active ingredient of COPAXONE, consists of the acetate salts of synthetic polypeptides, containing four naturally occurring amino acids: L-glutamic acid, L-alanine, L-lysine, and L-tyrosine, with a molar fraction of 0.141, 0.427, 0.095, and 0.338, respectively. The average molecular weight of glatiramer acetate is 5,000 – 9,000 daltons. Glatiramer acetate is identified by specific antibodies. Chemically, glatiramer acetate is designated L-glutamic acid polymer with L-alanine, L-lysine and L-tyrosine, acetate (salt). Its structural formula is:

\[(\text{Glu, Ala, Lys, Tyr}), \times \text{XCH}_2\text{COOH}\]

\[(\text{C}_9\text{H}_{11}\text{NO}_3)\]

COPAXONE is a clear, colorless to slightly yellow, sterile, nonpyrogenic solution for subcutaneous injection. Each 1 mL of COPAXONE solution contains 20 mg or 40 mg of glatiramer acetate. The pH of the solutions is approximately 5.5 to 7.0. The biological activity of glatiramer acetate is determined by its ability to block the induction of experimental autoimmune encephalomyelitis (EAE) in mice.

12 CLINICAL PHARMACOLOGY
12.1 Mechanism of Action
The mechanism(s) by which glatiramer acetate exerts its effects in patients with MS are not fully understood. However, glatiramer acetate is thought to act by modifying immune processes that are believed to be responsible for the pathogenesis of MS. This hypothesis is supported by findings of studies that have been carried out to explore the pathogenesis of experimental autoimmune encephalomyelitis, a condition induced in animals through immunization against central nervous system-derived material containing myelin and often used as an experimental animal model of MS. Studies in animals and in vitro systems suggest that upon its administration, glatiramer acetate-specific suppressor T-cells are induced and activated in the periphery. Because glatiramer acetate can modify immune functions, concerns exist about its potential to alter naturally-occurring immune responses. There is no evidence that glatiramer acetate does this, but this has not been systematically evaluated (see Warnings and Precautions (5.4)).

12.2 Pharmacokinetics
Results obtained in pharmacokinetic studies performed in humans (healthy volunteers) and animals support that a substantial fraction of the therapeutic dose delivered to patients subcutaneously is hydrolyzed locally. Larger fragments of glatiramer acetate can be recognized by glatiramer acetate-reactive antibodies. Some fraction of the injected material, either intact or partially hydrolyzed, is presumed to enter the lymphatic circulation, enabling it to reach regional lymph nodes, and some may enter the systemic circulation intact.

13 NONCLINICAL TOXICOLOGY
13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility
In a 2-year carcinogenicity study, mice were administered up to 60 mg/kg/day glatiramer acetate by subcutaneous injection (up to 15 times the human therapeutic dose of 20 mg/day on a mg/m² basis). No increase in systemic neoplasms was observed. In males receiving the 60-mg/kg/day dose, there was an increased incidence of fibrosarcomas at the injection sites. These sarcomas were associated with skin damage precipitated by repetitive injections of an irritant over a limited skin area. In a 2-year carcinogenicity study, rats were administered up to 30 mg/kg/day glatiramer acetate by subcutaneous injection (up to 15 times the human therapeutic dose on a mg/m² basis). No increase in neoplasms was observed.

In both studies, glatiramer acetate was not mutagenic in in vitro (Ames test, mouse lymphoma tk) assays. Glatiramer acetate was clastogenic in two separate in vitro chromosomal aberration assays in cultured human lymphocytes but not clastogenic in an in vivo mouse bone marrow micronucleus assay. When glatiramer acetate was administered by subcutaneous injection prior to and during mating (males and females) and throughout gestation and lactation (females) at doses up to 36 mg/kg/day (18 times the human therapeutic dose on a mg/m² basis) no adverse effects were observed on reproductive or developmental parameters.

14 CLINICAL STUDIES
Evidence supporting the effectiveness of COPAXONE derives from five placebo-controlled trials, four of which, a COPAXONE dose of 20 mg per mL, each day and one of which used a COPAXONE dose of 40 mg per mL three times per week.

**Table 3: Study 1 Efficacy Results**

<table>
<thead>
<tr>
<th>COPAXONE 20 mg/mL (n=25)</th>
<th>Placebo (n=25)</th>
<th>P-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Relapse-Free Patients</td>
<td>14/25 (56%)</td>
<td>7/25 (28%)</td>
</tr>
<tr>
<td>Mean Relapse Frequency</td>
<td>0.6/2 years</td>
<td>2.4/2 years</td>
</tr>
<tr>
<td>Reduction in Relapse Rate</td>
<td>3.2</td>
<td>1.6</td>
</tr>
<tr>
<td>Median Time to First Relapse (days)</td>
<td>&gt;700</td>
<td>150</td>
</tr>
<tr>
<td>% of Progression-Free* Patients</td>
<td>20/25 (80%)</td>
<td>13/25 (52%)</td>
</tr>
</tbody>
</table>

Progression was defined as an increase of at least 1 point on the DSS, persisting for at least 3 consecutive months.

**Table 4: Study 2 Efficacy Results**

<table>
<thead>
<tr>
<th>COPAXONE 20 mg/mL (n=125)</th>
<th>Placebo (n=126)</th>
<th>P-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean No. of Relapses</td>
<td>1.19/2 years</td>
<td>1.68/2 years</td>
</tr>
<tr>
<td>% Relapse-Free Patients</td>
<td>42/125 (34%)</td>
<td>34/126 (27%)</td>
</tr>
<tr>
<td>Median Time to First Relapse (days)</td>
<td>287</td>
<td>198</td>
</tr>
<tr>
<td>% of Progression-Free Patients</td>
<td>98/125 (78%)</td>
<td>95/126 (75%)</td>
</tr>
<tr>
<td>Mean Change in DSS</td>
<td>-0.05</td>
<td>-0.21</td>
</tr>
</tbody>
</table>

In both studies, COPAXONE exhibited a clear beneficial effect on relapse rate, and it is based on this evidence that COPAXONE is considered effective.
Patients treated with COPAXONE demonstrated fewer new T2 lesions at the last observation (rate ratio 0.41; confidence interval 0.28 to 0.59; p < 0.0001). Additionally, baseline-adjusted T2 lesion volume at the last observation was lower for patients treated with COPAXONE (ratio of 0.89; confidence interval 0.84 to 0.94; p = 0.0001).

Study 4 was a multinational study in which MRI parameters were used both as primary and secondary endpoints. A total of 239 patients with RRMS (COPAXONE: n=119; and placebo: n=120) were randomized. Inclusion criteria were similar to those in the second study with the additional criterion that patients had to have at least one Gd-enhancing lesion on the screening MRI. The patients were treated in a double-blind manner for nine months, during which they underwent monthly MRI scanning. The primary endpoint for the double-blind phase was the total cumulative number of T1 Gd-enhancing lesions over the nine months. Table 5 summarizes the results for the primary outcome measure monitored during the trial for the intent-to-treat cohort.

Table 5: Study 4 MRI Results

<table>
<thead>
<tr>
<th>Medians of the Cumulative Number of T1 Gd-Enhancing Lesions</th>
<th>COPAXONE 20 mg/mL (n=119)</th>
<th>Placebo (n=120)</th>
<th>P-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPAXONE 20 mg/mL</td>
<td>11</td>
<td>17</td>
<td>0.0030</td>
</tr>
<tr>
<td>Placebo</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjusted Mean Estimates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adjusted Mean Estimates</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative risk reduction</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative risk reduction</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Figure 2 displays the results of the primary outcome on a monthly basis.

Figure 2: Median Cumulative Number of Gd-Enhancing Lesions

COPAXONE 40 mg per mL, three times per week
Study 5 was a double-blind, placebo-controlled, multinational study with a total of 1404 patients with RRMS randomized in a 2:1 ratio to receive either COPAXONE 40 mg per mL (n=943) or placebo (n=461) three times a week for 12 months. Patients had a median of 2 relapses in the 2 years prior to screening and had not received any interferon-beta for at least 2 months prior to screening. Baseline EDSS scores ranged from 0 to 5.5 with a median of 2.5. Neurological evaluations were performed at baseline, every three months, and at unscheduled visits for suspected relapse or early termination. MRI was performed at baseline, months 6 and 12, or early termination. A total of 91% of those assigned to COPAXONE and 95% of those assigned to placebo completed treatment at 12 months.

The primary outcome measure was the total number of confirmed relapses (persistence of neurological symptoms for at least 48 hours confirmed on examination with objective signs). The effect of COPAXONE on several magnetic resonance imaging (MRI) variables, including number of new or enlarging T2 lesions and number of enhancing lesions on T1-weighted images, was also measured at months 6 and 12. Table 6 presents the results for the intent-to-treat population.

Table 6: Study 5 Efficacy and MRI Results

<table>
<thead>
<tr>
<th>Clinical Endpoints</th>
<th>COPAXONE 40 mg/mL (n=943)</th>
<th>Placebo (n=461)</th>
<th>P-Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of confirmed relapses during the 12-month placebo-controlled phase</td>
<td>Adjusted Mean Estimates</td>
<td>Relative risk reduction</td>
<td>0.331</td>
</tr>
<tr>
<td>MRI Endpoints</td>
<td>Adjusted Mean Estimates</td>
<td>Relative risk reduction</td>
<td>3.650</td>
</tr>
<tr>
<td>Cumulative number of enhancing lesions on T1-weighted images at Months 6 and 12</td>
<td>Adjusted Mean Estimates</td>
<td>Relative risk reduction</td>
<td>0.905</td>
</tr>
</tbody>
</table>

16 HOW SUPPLIED/STORAGE AND HANDLING
COPAXONE (glatiramer acetate injection) is a clear, colorless to slightly yellow, sterile, nonpyrogenic solution supplied as:
- 20 mg per mL in a single-dose, prefilled syringe with a white plunger, in individual blister packages supplied in 30-count cartons (NDC 68546-317-30).
- 40 mg per mL in a single-dose, prefilled syringe with a blue plunger, in individual blister packages supplied in 12-count cartons (NDC 68546-325-12).

Store COPAXONE refrigerated at 2°C to 8°C (36°F to 46°F). If needed, the patient may store COPAXONE at room temperature, 15°C to 30°C (59°F to 86°F), for up to one month, but refrigeration is preferred. Avoid exposure to higher temperatures or intense light. Do not freeze COPAXONE. If a COPAXONE syringe freezes, it should be discarded.

17 PATIENT COUNSELING INFORMATION
Advise the patient to read the FDA-approved patient labeling (Patient Information and Instructions for Use).

Immediate Post-Injection Reaction
Advise patients that COPAXONE may cause various symptoms after injection, including flushing, chest pain, palpitations, tachycardia, anxiety, dyspnea, constriction of the throat, and urticaria. These symptoms occur within seconds to minutes after injection and are generally transient and self-limited and do not require specific treatment. Inform patients that these symptoms may occur early or may have their onset several months after the initiation of treatment. A patient may experience one or several episodes of these symptoms.

Chest Pain
Advise patients that they may experience transient chest pain either as part of the Immediate Post-Injection Reaction or in isolation. Inform patients that the pain should be transient. Some patients may experience more than one such episode, usually beginning at least one month after the initiation of treatment. Patients should be advised to seek medical attention if they experience chest pain of unusual duration or intensity.

Lipoatrophy and Skin Necrosis at Injection Site
Advise patients that localized lipoatrophy, and rarely, skin necrosis may occur at injection sites. Instruct patients to follow proper injection technique and to rotate injection areas and sites with each injection to minimize these risks.

Pregnancy
Instruct patients that if they are pregnant or plan to become pregnant while taking COPAXONE they should inform their physician.

Instructions for Use
Instruct patients to read the COPAXONE Patient Information leaflet carefully. COPAXONE 20 mg per mL and COPAXONE 40 mg per mL are not interchangeable. COPAXONE 20 mg per mL is administered daily and COPAXONE 40 mg per mL is administered three times per week. Caution patients to use aseptic technique. The first injection should be performed under the supervision of a health care professional. Instruct patients to rotate injection areas and sites with each injection. Caution patients against the reuse of needles or syringes. Instruct patients in safe disposal procedures.

Storage Conditions
Advise patients that the recommended storage condition for COPAXONE is refrigeration at 2°C to 8°C (36°F to 46°F). If needed, the patient may store COPAXONE at room temperature, 15°C to 30°C (59°F to 86°F), for up to one month, but refrigeration is preferred. COPAXONE should not be exposed to higher temperatures or intense light. Do not freeze COPAXONE.

Marked by: Teva Neuroscience, Inc., Overland Park, KS 66211
Distributed by: Teva Pharmaceuticals USA, Inc., North Wales, PA 19454
Product of Israel
COP-003
COPAXONE® (glatiramer acetate injection)

Patient Information

COPAXONE (co-PAX-own) (glatiramer acetate injection) for subcutaneous use

Read this Patient Information before you start using COPAXONE and each time you get a refill. There may be new information. This information does not take the place of talking with your doctor about your medical condition or your treatment.

What is COPAXONE?
COPAXONE is prescription medicine used for the treatment of people with relapsing forms of multiple sclerosis (MS). It is not known if COPAXONE is safe and effective in children under 18 years of age.

Who should not use COPAXONE?
• Do not use COPAXONE if you are allergic to glatiramer acetate, mannitol or any of the ingredients in COPAXONE. See the end of this leaflet for a complete list of the ingredients in COPAXONE.

What should I tell my doctor before using COPAXONE?
Before you use COPAXONE, tell your doctor if you:
• are pregnant or plan to become pregnant. It is not known if COPAXONE will harm your unborn baby.
• are breastfeeding or plan to breastfeed. It is not known if COPAXONE passes into your breast milk. Talk to your doctor about the best way to feed your baby while using COPAXONE.

Tell your doctor about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. COPAXONE may affect the way other medicines work, and other medicines may affect how COPAXONE works.

Keep a list of your medicines with you to show your doctor and pharmacist when you get a new medicine.

How should I use COPAXONE?
• For detailed instructions, see the Instructions for Use at the end of this leaflet for complete information on how to use COPAXONE.
• Your doctor will tell you how much COPAXONE to use and when to use it.
• COPAXONE is given by injection under your skin (subcutaneously).
• Use COPAXONE exactly as your doctor tells you to use it.
• Since every body type is different, talk with your doctor about the injection areas that are best for you.
• You should receive your first dose of COPAXONE with a doctor or nurse present. This might be at your doctor’s office or with a visiting home health nurse who will teach you how to give your COPAXONE injections.

What are the possible side effects of COPAXONE?
COPAXONE may cause serious side effects, including:
• Immediate Post-Injection Reactions. Serious side effects may happen right after or within minutes after you inject COPAXONE at any time during your course of treatment. Call your doctor right away if you have any of these immediate post-injection reaction symptoms including:
  ◦ redness to your cheeks or other parts of the body (flushing)
  ◦ chest pain
  ◦ fast heart beat
  ◦ anxiety
  ◦ breathing problems or tightness in your throat
  ◦ swelling, rash, hives, or itching

If you have symptoms of an immediate post-injection reaction, do not give yourself more injections until a doctor tells you to.
• Chest Pain. You can have chest pain as part of an immediate post-injection reaction or by itself. This type of chest pain usually lasts a few minutes and can begin around 1 month after you start using COPAXONE. Call your doctor right away if you have chest pain while using COPAXONE.

Damage to your skin. Damage to the fatty tissue just under your skin’s surface (lipatrophy) and, rarely, death of your skin tissue (necrosis) can happen when you use COPAXONE. Damage to the fatty tissue under your skin can cause a “dent” at the injection site that may not go away. You can reduce your chance of developing these problems by:
  ◦ following your doctor’s instructions for how to use COPAXONE
  ◦ choosing a different injection area each time you use COPAXONE. See Step 4 in the Instructions for Use, “Choose your injection area”.

The most common side effects of COPAXONE include:
• skin problems at your injection site including:
  ◦ redness
  ◦ pain
  ◦ swelling
  ◦ itching
  ◦ lumps
• rash
• shortness of breath
• flushing (vasodilation)

Tell your doctor if you have any side effect that bothers you or that does not go away.

These are not all the possible side effects of COPAXONE. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store COPAXONE?
• Store COPAXONE in the refrigerator between 36°F to 46°F (2°C to 8°C).
• When you are not able to refrigerate COPAXONE, you may store it for up to 1 month at room temperature between 59°F to 86°F (15°C to 30°C).

• Protect COPAXONE from light or high temperature.

How should I handle used needles and syringes?
• Place used needles and syringes in a sharps disposal container. Discard the container away in a sharps disposal container.

For more information, go to www.copaxone.com or call 1-800-887-8100.
COPAXONE® (glatiramer acetate injection)

Instructions for Use
COPAXONE (co-PAX-own)
(glatiramer acetate injection)
for subcutaneous use

For subcutaneous injection only.
Do not inject COPAXONE in your veins (intravenously).
Do not re-use your COPAXONE prefilled syringes.
Do not share your COPAXONE prefilled syringes with another person.
You may give another person an infection or get an infection from them.
You should receive your first dose of COPAXONE with a doctor or nurse present. This might be at your doctor’s office or with a visiting home health nurse who will show you how to give your own injections.
COPAXONE comes in either a 20 mg Prefilled Syringe with needle attached or a 40 mg Prefilled Syringe with needle attached. How often a dose is given depends on the product strength that is prescribed. Your doctor will prescribe the correct dose for you.

Instructions for Using Your COPAXONE 20 mg Prefilled Syringe:
• COPAXONE 20 mg is injected 1 time each day, in the fatty layer under your skin (subcutaneously).
• Each COPAXONE 20 mg prefilled syringe is for single use (1 time use) only.
• The COPAXONE 20 mg dose is packaged in boxes of 30 prefilled syringes with needles attached. COPAXONE 20 mg prefilled syringes have white plungers.

Instructions for Using Your COPAXONE 40 mg Prefilled Syringe:
• COPAXONE 40 mg is injected 3 times each week, in the fatty layer under your skin (subcutaneously).
• COPAXONE 40 mg should be given on the same 3 days each week, if possible for example, Monday, Wednesday, and Friday. Give your COPAXONE injections at least 48 hours (2 days) apart.
• Each COPAXONE 40 mg prefilled syringe is for single use (1 time use) only.
• The COPAXONE 40 mg dose is packaged in boxes of 12 prefilled syringes with needles attached. COPAXONE 40 mg prefilled syringes have blue plungers.

How do I inject COPAXONE?

Step 1: Gather the supplies you will need to inject COPAXONE. See Figure A.
• 1 blister pack with a COPAXONE Prefilled Syringe with needle attached
• Alcohol wipe (not supplied)
• Dry cotton ball (not supplied)
• A place to record your injections, like a notebook (not supplied)
• Sharps disposal container (not supplied). See Step 13 below, “Dispose of your needles and syringes”.

Step 2: Remove only 1 blister pack from the COPAXONE prefilled syringe carton. See Figure B.

Step 3: Look closely at your COPAXONE prefilled syringe.
• There may be small air bubbles in the syringe. Do not try to push the air bubble from the syringe before giving your injection so you do not lose any medicine.
• Check the liquid medicine in the syringe before you give your injection. The liquid in the syringe should look clear, and colorless, and may look slightly yellow. If the liquid is cloudy or contains any particles, do not use the syringe and throw it away in a sharps disposal container. See Step 13 below, “Dispose of your needles and syringes.”

Step 4: Choose your injection area. See Figure C.
See the injection areas you should use on your body. Talk with your doctor about the injection areas that are best for you.
• The possible injection areas on your body include (See Figure C):
  ◦ your stomach area (abdomen) around the belly button
  ◦ the back of your upper arms
  ◦ upper hips (below your waist)
  ◦ your thighs (above your knees)

Step 5: Prepare to give your injection.
• There are some injection areas on your body that are hard to reach (like the back of your arm). You may need help from someone who has been instructed on how to give your injection if you cannot reach certain injection areas.
• Do not inject in sites where the skin has scarring or “dents”. Using scarred or dented skin for your injections may make your skin worse.

Figure A

Figure B

Figure C
Step 6: Clean your injection site.
- Clean the injection site using the alcohol wipe and allow your skin to air dry. See Figure D.

Step 7: Pick up the syringe with 1 hand and hold it like a pencil. Remove the needle cover with your other hand and set it aside. See Figure E.

Step 8: Pinch about a 2 inch fold of skin between your thumb and index finger. See Figure F.

Step 9: Giving your injection.
- Rest the heel of your hand holding the syringe against your skin at the injection site. Insert the needle at a 90 degree angle straight into your skin. See Figure G.

Step 10: Give your COPAXONE injection.
To inject the medicine, hold the syringe steady and slowly push down the plunger. See Figure I.

Step 11: Remove the needle.
After you have injected all of the medicine, pull the needle straight out. See Figure J.

Step 12: Use a clean, dry cotton ball to gently press on the injection site for a few seconds. Do not rub the injection site or re-use the needle or syringe. See Figure K.

Step 13: Dispose of your needles and syringes.
- Put your used needles and syringes in a FDA-cleared sharps disposal container right away after use. Do not throw away (dispose of) loose needles and syringes in your household trash.
- If you do not have a FDA-cleared sharps disposal container, you may use a household container that is:
  - made of a heavy-duty plastic,
  - can be closed with a tight-fitting, puncture-resistant lid, without sharps being able to come out,
  - upright and stable during use,
  - leak-resistant, and
  - properly labeled to warn of hazardous waste inside the container.
- When your sharps disposal container is almost full, you will need to follow your community guidelines for the right way to dispose of your sharps disposal container. There may be state or local laws about how you should throw away used needles and syringes. For more information about safe sharps disposal, and for specific information about sharps disposal in the state that you live in, go to the FDA's website at: http://www.fda.gov/safesharpsdisposal.
- Do not dispose of your used sharps disposal container in your household trash unless your community guidelines permit this. Do not recycle your used sharps disposal container.