

### HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use rabeprazole sodium delayed-release tablets safely and effectively. See full prescribing information for rabeprazole sodium delayed-release tablets.

**Rabeprazole Sodium Delayed-Release Tablets, for oral use**  
Initial U.S. Approval: 1999

#### RECENT MAJOR CHANGES

Warnings and Precautions, *Clostridium difficile* associated diarrhea (5.3) 10/2012  
Maintenance of Healing of Erosive or Ulcerative GERD (1.1) 10/2012  
Maintenance of Healing of Erosive or Ulcerative GERD (1.2) 05/2012  
Methotrexate (5.6) 05/2012

#### INDICATIONS AND USAGE

Rabeprazole sodium delayed-release tablets are a proton-pump inhibitor (PPI) indicated in adults for:

- Healing of Erosive or Ulcerative Gastroesophageal Reflux Disease (GERD) (1.1)
- Maintenance of Healing of Erosive or Ulcerative GERD (1.2)
- Treatment of Symptomatic GERD (1.3)
- Healing of Duodenal Ulcers (1.4)
- *Helicobacter pylori* Eradication to Reduce the Risk of Duodenal Ulcer Recurrence (1.5)
- Treatment of Pathological Hypersecretory Conditions, including Zollinger-Ellison Syndrome (1.6)

In adolescents patients 12 years of age and older for:

- Short-term treatment of symptomatic GERD (1.7)

#### DOSE AND ADMINISTRATION

Rabeprazole sodium delayed-release tablets should be swallowed whole. The tablets should not be chewed, crushed or split (2.10).

Healing of Erosive or Ulcerative Gastroesophageal Reflux Disease (GERD) (2.1)	20 mg once daily
Maintenance of Healing of Erosive or Ulcerative GERD (2.2)	20 mg once daily
Treatment of Symptomatic GERD in Adults (2.3)	20 mg once daily
Healing of Duodenal Ulcers (2.4)	20 mg once daily after morning meal
<i>Helicobacter pylori</i> Eradication to Reduce the Risk of Duodenal Ulcer Recurrence (2.5)	All three medications should be taken twice daily with morning and evening meals for 7 days
Three Drug Regimen	
Rabeprazole sodium delayed-release tablets 20 mg, Amoxicillin 1000 mg, Clarithromycin 500 mg	
Treatment of Pathological Hypersecretory Conditions, including Zollinger-Ellison Syndrome (2.6)	Starting Dose 50 mg once daily then adjust to patient needs
Treatment of Symptomatic GERD in Adolescents 12 Years of Age and Older (2.7)	20 mg once daily

#### DOSE FORMS AND STRENGTHS

Delayed-Release Tablets: 20 mg (3)

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#### FULL PRESCRIBING INFORMATION

##### 1 INDICATIONS AND USAGE

1.1 **Healing of Erosive or Ulcerative GERD in Adults**  
Rabeprazole sodium delayed-release tablets are indicated for short-term (4 to 8 weeks) treatment in the healing and symptomatic relief of erosive or ulcerative gastroesophageal reflux disease (GERD). For those patients who have not healed after 8 weeks of treatment, an additional 8-week course of rabeprazole sodium delayed-release tablets may be considered.

1.2 **Maintenance of Healing of Erosive or Ulcerative GERD in Adults**  
Rabeprazole sodium delayed-release tablets are indicated for maintaining healing and reduction in relapse rates of heartburn symptoms in patients with erosive or ulcerative gastroesophageal reflux disease (GERD) (Maintenance). Controlled studies do not extend beyond 12 months.

1.3 **Treatment of Symptomatic GERD in Adults**  
Rabeprazole sodium delayed-release tablets are indicated for the treatment of daytime and nighttime heartburn and other symptoms associated with GERD in adults.

1.4 **Healing of Duodenal Ulcers in Adults**  
Rabeprazole sodium delayed-release tablets are indicated for short-term (up to 4 weeks) treatment in the healing and symptomatic relief of duodenal ulcers. Most patients heal within 4 weeks.

1.5 ***Helicobacter pylori* Eradication to Reduce the Risk of Duodenal Ulcer Recurrence in Adults**  
Rabeprazole sodium delayed-release tablets in combination with amoxicillin and clarithromycin as a three drug regimen, is indicated for the treatment of patients with *H. pylori* infection and duodenal ulcer disease (active or history within the past 5 years) to eradicate *H. pylori*. Eradication of *H. pylori* has been shown to reduce the risk of duodenal ulcer recurrence. See Clinical Studies (14.5) and Dosage and Administration (2.5).

In patients who fail therapy, susceptibility testing should be done. If resistance to clarithromycin is demonstrated or susceptibility testing is not possible, alternative antimicrobial therapy should be instituted. See Clinical Pharmacology (12.2) and the clarithromycin package insert, Clinical Pharmacology (12.2).

1.6 **Treatment of Pathological Hypersecretory Conditions, including Zollinger-Ellison Syndrome in Adults**  
Rabeprazole sodium delayed-release tablets are indicated for the long-term treatment of pathological hypersecretory conditions, including Zollinger-Ellison syndrome.

1.7 **Short-Term Treatment of Symptomatic GERD in Adolescent Patients 12 Years of Age and Older**  
Rabeprazole sodium delayed-release tablets are indicated for the treatment of symptomatic GERD in adolescents 12 years of age and above for up to 8 weeks.

##### 2 DOSE AND ADMINISTRATION

2.1 **Healing of Erosive or Ulcerative GERD in Adults**  
The recommended adult oral dose is one rabeprazole sodium 20 mg delayed-release tablet to be taken once daily for 4 to 8 weeks. See Indications and Usage (1.1). For those patients who have not healed after 8 weeks of treatment, an additional 8-week course of rabeprazole sodium delayed-release tablets may be considered.

2.2 **Maintenance of Healing of Erosive or Ulcerative GERD in Adults**  
The recommended adult oral dose is one rabeprazole sodium 20 mg delayed-release tablet to be taken once daily. See Indications and Usage (1.2).

2.3 **Treatment of Symptomatic GERD in Adults**  
The recommended adult oral dose is one rabeprazole sodium 20 mg delayed-release tablet to be taken once daily for 4 weeks, an additional course of treatment may be considered. The recommended additional course is one rabeprazole sodium 20 mg delayed-release tablet to be taken once daily for 8 weeks.

2.4 **Healing of Duodenal Ulcers in Adults**  
The recommended adult oral dose is one rabeprazole sodium 20 mg delayed-release tablet to be taken once daily after the morning meal for a period up to 4 weeks. See Indications and Usage (1.5). Most patients with duodenal ulcer heal within 4 weeks. A few patients may require additional therapy to achieve healing.

2.5 ***Helicobacter pylori* Eradication to Reduce the Risk of Duodenal Ulcer Recurrence in Adults**  
Table 1. Three Drug Regimen\*

Rabeprazole Sodium Delayed-Release Tablet	20 mg	Twice Daily for 7 Days
Amoxicillin	1000 mg	Twice Daily for 7 Days
Clarithromycin	500 mg	Twice Daily for 7 Days

All three medications should be taken twice daily with the morning and evening meals.

\* It is important that patients comply with the 7-day regimen. See Clinical Studies (14.5).

2.6 **Treatment of Pathological Hypersecretory Conditions, including Zollinger-Ellison Syndrome in Adults**  
The dosage of rabeprazole sodium delayed-release tablets in patients with pathologic hypersecretory conditions varies with the individual patient. The recommended initial oral starting dose is 50 mg once daily. Doses should be adjusted to individual patient needs and should continue for as long as clinically indicated. Some patients may require divided doses. Doses up to 100 mg QD and 60 mg BID have been administered. Some patients with Zollinger-Ellison syndrome have been treated continuously with rabeprazole sodium delayed-release tablets for up to one year.

##### CONTRAINDICATIONS

• History of hypersensitivity to rabeprazole (4)

##### WARNINGS AND PRECAUTIONS

• Symptomatic response to therapy with rabeprazole does not preclude the presence of gastric malignancy (5.1).

• Use with warfarin: monitor for increases in INR and prothrombin time (5.2).

• PPI therapy may be associated with increased risk of *Clostridium difficile* associated diarrhea (5.3).

• Bone fracture: Long-term and multiple daily PPI therapy may be associated with an increased risk for osteoporosis-related fractures of the hip, wrist, or spine (5.4).

• Hypomagnesemia has been reported rarely with prolonged treatment with PPIs (5.5).

##### ADVERSE REACTIONS

• In the adult studies (4 to 8 weeks), adverse reactions that occurred at a rate greater than 2% and greater than placebo included pain, pharyngitis, flatulence, infection and constipation (6.1).

• In studies of pediatric and adolescent patients (ages 1 to 16 years, and up to 36 weeks exposure) adverse reactions that occurred at a rate of  $\geq 5\%$  of patients included abdominal pain, diarrhea and headache (6.1).

To report SUSPECTED ADVERSE REACTIONS, contact Mylan Pharmaceuticals Inc., at 1-877-446-3679 (1-877-4-INFO-RX) or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).

##### DRUG INTERACTIONS

• Increased INR and prothrombin times have been reported with concomitant use with warfarin. Patients need to be monitored (7.2).

• Rabeprazole has been shown to inhibit cytochrome metabolism in vitro (7.3).

• Rabeprazole sodium delayed-release tablets inhibit gastric acid secretion and may interfere with the absorption of drugs whose gastric pH is an important determinant of bioavailability (e.g., ketoconazole, iron salts and digoxin) (7.4).

• Rabeprazole sodium delayed-release tablets may reduce the plasma levels of zalcitabine (7.4).

• Methotrexate, rabeprazole sodium delayed-release tablets may increase serum level of methotrexate (7.7).

##### USE IN SPECIFIC POPULATIONS

• The safety and efficacy of rabeprazole sodium delayed-release tablets for GERD have not been established for pediatric patients less than 12 years of age.

• The safety and efficacy of rabeprazole sodium delayed-release tablets for the other adult indications have not been established for pediatric patients (8.4).

##### See 17 for PATIENT COUNSELING INFORMATION and Medication Guide

RPZ-R1mm/MG,RPZ-R1m/MG,RPZ-R1m	July 2013

##### 11 DESCRIPTION

11.1 **DESCRIPTION**  
Rabeprazole sodium delayed-release tablets are available for oral administration as delayed-release, enteric-coated tablets containing 20 mg of rabeprazole sodium.

11.2 **Chemical Structure**  
The safety profile of rabeprazole in the maintenance studies in adults was consistent with what was observed in the acute studies.

11.3 **Other adverse reactions seen in controlled clinical trials, which do not meet the above criteria ( $\geq 2\%$  of rabeprazole sodium delayed-release tablets-treated patients and greater than placebo) and for which there is a possibility of a causal relationship to rabeprazole, include the following: headache, abdominal pain, diarrhea, dry mouth, dizziness, constipation, back pain, increased appetite, hepatitis, hepatic encephalopathy, myalgia, and arthralgia.**

11.4 **Combination Therapy with Amoxicillin and Clarithromycin**  
In clinical trials using combination therapy with rabeprazole plus amoxicillin and clarithromycin (PAC), no adverse reactions unique to this drug combination were observed. In the U.S. multicenter study, the most frequently reported drug-related adverse reactions for patients who received PAC therapy for 7 or 14 days were diarrhea (8% and 7%), flatulence (5% and 19%), respectively.

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12.3 **Other adverse reactions seen in controlled clinical trials, which do not meet the above criteria ( $\geq 2\%$  of rabeprazole sodium delayed-release tablets-treated patients and greater than placebo) and for which there is a possibility of a causal relationship to rabeprazole, include the following: headache, abdominal pain, diarrhea, dry mouth, dizziness, constipation, back pain, increased appetite, hepatitis, hepatic encephalopathy, myalgia, and arthralgia.**

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- Your doctor may prescribe antibiotic medicines with rabeprazole sodium delayed-release tablets to help treat a stomach infection and heal stomach (duodenal) ulcers that are caused by bacteria called *H. pylori*. Make sure you read the patient information that comes with an antibiotic before you start taking it.

What are the possible side effects of rabeprazole sodium delayed-release tablets?

Rabeprazole sodium delayed-release tablets can cause serious side effects including:

- See "What is the most important information I should know about rabeprazole sodium delayed-release tablets?"
- Low magnesium levels in your body. This problem can be serious. Low magnesium can happen in some people who take a proton pump inhibitor medicine for at least 3 months. If low magnesium levels happen, it is usually after a year of treatment. You may or may not have symptoms of low magnesium. Tell your doctor right away if you have any of these symptoms:
  - o seizures
  - o dizziness
  - o abnormal or fast heart beat
  - o jitteriness
  - o jerking movements or shaking (tremors)
  - o muscle weakness
  - o spasms of the hands and feet
  - o cramps or muscle aches
  - o spasm of the voice box

Your doctor may check the level of magnesium in your body before you start taking rabeprazole sodium delayed-release tablets, during treatment, or if you will be taking rabeprazole sodium delayed-release tablets for a long period of time.

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- o headache
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- o infection
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    - o rash
    - o face swelling
    - o throat tightness
    - o difficulty breathing

Your doctor may stop rabeprazole sodium delayed-release tablets if these symptoms happen. Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the side effects of rabeprazole sodium delayed-release tablets. For more information, ask your doctor or pharmacist.

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How should I store rabeprazole sodium delayed-release tablets?

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Keep rabeprazole sodium delayed-release tablets and all medicines out of the reach of children.

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What are the ingredients in rabeprazole sodium delayed-release tablets?

**Active Ingredient:** rabeprazole sodium  
**Inactive ingredients:** ammonium hydroxide, colloidal silicon dioxide, croscarmellose sodium, ethylcellulose, FD&C Blue No. 2 Aluminum Lake, FD&C Yellow No. 6 Aluminum Lake, hydroxypropyl cellulose, hypromellose, magnesium oxide, magnesium stearate, mannitol, medium chain triglycerides, methacrylic acid copolymer, oleic acid, polydextrose, polyethylene glycol, polysorbate 80, sodium hydroxide, sodium lauryl sulfate, talc, titanium dioxide, triacetin and triethyl citrate.

In addition, the black imprinting ink contains black iron oxide, hypromellose and propylene glycol. This Medication Guide has been approved by the U.S. Food and Drug Administration.  
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Table 6: Clarithromycin Susceptibility Test Results and Clinical/Bacteriological Outcomes\* for a Three Drug Regimen (Rabeprazole 20 mg Twice Daily, Amoxicillin 1000 mg Twice Daily, and Clarithromycin 500 mg Twice Daily for 7 or 10 Days)

Days of RAC Therapy	Clarithromycin Pre-treatment Results	Total Number	H. pylori Negative (Eradicated)	H. pylori Positive (Persistent)				No MIC
				Q <sup>a</sup>	I <sup>b</sup>	R <sup>b</sup>	RP	
7	Susceptible <sup>a</sup>	129	103	2	0	1	23	
7	Intermediate <sup>a</sup>	0	0	0	0	0	0	
7	Resistant <sup>a</sup>	16	6	2	1	4	4	
10	Susceptible <sup>a</sup>	133	111	3	1	4	16	
10	Intermediate <sup>a</sup>	0	0	0	0	0	0	
10	Resistant <sup>a</sup>	9	1	0	0	5	3	

\* Includes only patients with pre-treatment and post-treatment clarithromycin susceptibility test results.  
<sup>a</sup> Susceptible (S) MIC ≤ 0.25 mcg/mL, Intermediate (I) MIC = 0.5 mcg/mL, Resistant (R) MIC ≥ 1 mcg/mL.  
<sup>b</sup> Q = eradication, I = no eradication, R = eradication, RP = no eradication.  
 Patients with persistent H. pylori infection following clarithromycin, amoxicillin, and clarithromycin therapy will likely have clarithromycin resistant clinical isolates. Therefore, clarithromycin susceptibility testing should be done when possible. If resistance to clarithromycin is demonstrated or susceptibility testing is not possible, alternative antimicrobial therapies should be instituted.  
 Amoxicillin Susceptibility Test Results and Clinical/Bacteriological Outcomes: In the U.S. multicenter study, a total of ~99% (558/560) of patients had H. pylori isolates which were considered to be susceptible (MIC ≤ 0.25 mcg/mL) to amoxicillin at baseline. The other two patients had baseline H. pylori isolates with an amoxicillin MIC of 0.5 mcg/mL, and both isolates were clarithromycin-resistant at baseline. In one case the H. pylori was eradicated. In the 7- and 10-day treatment groups 75% (107/141) and 79% (110/139), respectively, of the patients who had pre-treatment amoxicillin susceptible MICs ≤ 0.25 mcg/mL were eradicated of H. pylori. No patients developed amoxicillin-resistant H. pylori during therapy.

**12.3 Pharmacokinetics**  
 Rabeprazole sodium delayed-release tablets are enteric-coated to allow rabeprazole sodium, which is a salt tablet, to pass through the stomach relatively intact. After oral administration of 20 mg rabeprazole tablet, peak plasma concentrations (C<sub>max</sub>) of rabeprazole occur over a range of 2 to 5 hours (T<sub>max</sub>). The rabeprazole C<sub>max</sub> and AUC are linear over an oral dose range of 10 mg to 40 mg. There is no appreciable accumulation when doses of 10 mg to 40 mg are administered every 24 hours; the pharmacokinetics of rabeprazole is not affected by multiple dosing.  
**Absorption:** Absolute bioavailability for a 5 mg oral tablet of rabeprazole (compared to intravenous administration) is approximately 52%. When rabeprazole tablets are administered with a high fat meal, C<sub>max</sub> is variable, which concomitant food intake may delay the absorption up to 4 hours or longer. However, the C<sub>max</sub> and the extent of rabeprazole absorption (AUC) are not significantly altered. Thus, rabeprazole tablets may be taken without regard to timing of meals.  
**Distribution:** Rabeprazole is 96.3% bound to human plasma proteins.  
**Metabolism:** Rabeprazole is primarily metabolized. A significant portion of rabeprazole is metabolized via systemic nonenzymatic reduction to a dihydrogen compound. Rabeprazole is also metabolized to sulphone and desmethyl compounds via cytochrome P450 in the liver. The dihydrogen and sulphone are the primary metabolites measured in human plasma. These metabolites were not observed to have significant antiserotony activity. *In vitro* studies have demonstrated that rabeprazole is metabolized in the liver primarily by cytochromes P450 3A (CYP3A) to a sulphone metabolite and cytochrome P450 2/19 (CYP2/19) to desmethyl rabeprazole. CYP2/19 exhibits a known genetic polymorphism due to a deficiency in some sub-populations (e.g., 3% to 5% of Caucasians and 17% to 20% of Asians). Rabeprazole metabolism is slow in these sub-populations; therefore, they are referred to as poor metabolizers of the drug.  
**Elimination:** Following a single 20 mg oral dose of 14C-labeled rabeprazole, approximately 90% of the drug was eliminated in the urine, primarily as dihydrogen carbonyl acid, its glucuronide, and mesoartistic acid metabolites. The remainder of the dose was recovered in the feces. Total recovery of radioactivity was 99.8%. No unchanged rabeprazole was recovered in the urine or feces.  
**Geriatric:** In 20 healthy elderly subjects administered 20 mg rabeprazole tablet once daily for 7 days, AUC values approximately doubled and the C<sub>max</sub> increased by 60% compared to values in a parallel younger control group. There was no evidence of drug accumulation after once daily administration. See (See Dosage and Administration (2.3)).  
**Pediatric:** The pharmacokinetics of rabeprazole was studied in pediatric patients with GERD aged up to 16 years in four separate clinical studies.  
**Patients 12 to 16 Years of Age:** The pharmacokinetics of rabeprazole was studied in 12 adolescent patients with GERD 12 to 16 years of age, in a multicenter study. Patients received rabeprazole 20 mg tablets once daily for 5 or 7 days. An approximately 40% increase in exposure was noted following 5 to 7 days of dosing compared with the exposure after one day dosing. Pharmacokinetic parameters in adolescent patients with GERD 12 to 16 years of age were within the range observed in healthy adult volunteers.  
**Gender and Race:** In analyses adjusted for body mass and height, rabeprazole pharmacokinetics showed no clinically significant differences between male and female subjects. In studies that used different formulations of rabeprazole, AUC<sub>0-24</sub> values for healthy Japanese men were approximately 50% to 60% greater than values derived from pooled data from healthy men in the United States.  
**Renal Disease:** In ten patients with stable end-stage renal disease requiring maintenance hemodialysis (creatinine clearance 3.5 mL/min/1.73 m<sup>2</sup>), no clinically significant differences were observed in the pharmacokinetics of rabeprazole after a single 20 mg oral dose compared to ten healthy volunteers (See Dosage and Administration (2.3)).  
**Hepatic Disease:** In a single dose study of ten patients with chronic mild to moderate compensated cirrhosis of the liver who were administered a 20 mg dose of rabeprazole, AUC<sub>0-24</sub> was approximately doubled, the elimination half-life was 2- to 3-fold higher, and total body clearance was decreased to less than half compared to values in healthy men. In a multiple dose study of 12 patients with mild to moderate hepatic impairment administered 20 mg rabeprazole once daily for eight days, AUC<sub>0-24</sub> and C<sub>max</sub> values increased approximately 30% compared to values in healthy age- and gender-matched subjects. These increases were not statistically significant.  
 No information exists on rabeprazole disposition in patients with severe hepatic impairment. Please refer to the Dosage and Administration (2.3) for information on dosage adjustment in patients with hepatic impairment.  
**Combined Administration with Anticardiolins:** Sixteen healthy volunteers genotyped to extensive metabolizers with normal CYP2C19 were given rabeprazole sodium 20 mg and ranitidine 150 mg or clarithromycin 500 mg and ranitidine 150 mg in a four-way crossover study. Each of the four regimens was administered twice daily for 6 days. The AUC and C<sub>max</sub> for clarithromycin and amoxicillin were not different following combined administration compared to values following single administration. However, the rabeprazole AUC and C<sub>max</sub> increased by 11% and 34%, respectively, following combined administration. The AUC and C<sub>max</sub> for 14-hydroxyclarithromycin (active metabolite of clarithromycin) also increased by 42% and 46%, respectively. This increase in exposure to rabeprazole and 14-hydroxyclarithromycin is not expected to produce safety concerns.  
**Concomitant Use with Clopidogrel:** Clopidogrel is metabolized to its active metabolite in part by CYP2C19. A study of healthy subjects including CYP2C19 extensive and intermediate metabolizers receiving once daily administration of clopidogrel 75 mg concomitantly with placebo or with rabeprazole 20 mg for 7 days was conducted. The mean AUC of the active metabolite of clopidogrel was reduced by approximately 12% (mean AUC ratio was 88%, with 90% CI of 81.7% to 95.5%) when rabeprazole was concomitantly administered compared to administration of clopidogrel with placebo.

**Table 7: Percent of Patients in Endoscopic Remission**

	Rabeprazole 10 mg	Rabeprazole 20 mg	Placebo
Study 1	N = 66	N = 67	N = 70
Week 4	93%*	93%*	44%*
Week 13	79%*	93%*	39%*
Week 26	77%*	93%*	31%*
Week 39	76%*	91%*	30%*
Week 52	73%*	90%*	29%*
Study 2	N = 93	N = 93	N = 99
Week 4	93%*	93%*	40%*
Week 13	86%*	91%*	33%*
Week 26	85%*	89%*	30%*
Week 39	84%*	89%*	29%*
Week 52	77%*	86%*	29%*
COMBINED STUDIES	N = 159	N = 160	N = 169
Week 4	87%*	94%*	42%*
Week 13	82%*	93%*	39%*
Week 26	82%*	91%*	31%*
Week 39	81%*	89%*	30%*
Week 52	75%*	87%*	29%*

\* p < 0.001 versus placebo

**Table 10: Percent of Patients Without Relapse in Heartburn Frequency and Daytime and Nighttime Heartburn Severity at Week 52**

	Rabeprazole 10 mg	Rabeprazole 20 mg	Placebo
Heartburn Frequency			
Study 1	46/55 (84%)*	48/52 (92%)*	17/45 (38%)*
Study 2	50/72 (69%)*	57/72 (79%)*	22/79 (28%)*
Daytime Heartburn Severity			
Study 1	61/84 (95%)*	60/62 (97%)*	42/61 (69%)*
Study 2	73/84 (87%)*	82/87 (94%)*	67/90 (74%)*
Nighttime Heartburn Severity			
Study 1	57/61 (93%)*	60/61 (98%)*	37/66 (56%)*
Study 2	67/80 (84%)*	78/87 (91%)*	64/87 (74%)*

\* p < 0.001 versus placebo  
 \* 0.001 < p < 0.05 versus placebo

**14.3 Treatment of Symptomatic GERD in Adults**  
 The U.S. multicenter, double-blind, placebo-controlled studies were conducted in 316 adult patients with daytime and nighttime heartburn. Patients responded to low or moderate to low doses of rabeprazole during the placebo treatment period. Patients who did not respond to placebo were randomized to rabeprazole 10 mg or rabeprazole 20 mg once daily for 4 weeks. The percentage of patients who responded to rabeprazole 10 mg or rabeprazole 20 mg compared to placebo over the 4 weeks of study was 47% (vs. 23%) and Study RAB-USA-2 (52% vs. 28%), the mean decrease from baseline in average daytime and nighttime heartburn scores were significantly greater for rabeprazole 20 mg as compared to placebo at week 4. Graphical displays depicting the daily mean daytime and nighttime scores are provided in Figures 2 to 5.

Figure 2: Mean Daytime Heartburn Scores RAB-USA-2

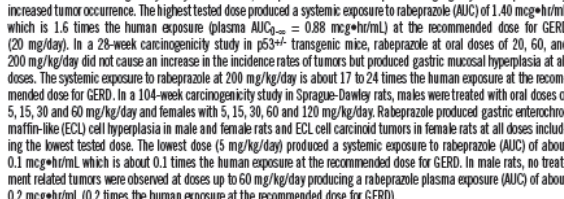


Figure 3: Mean Nighttime Heartburn Scores RAB-USA-2

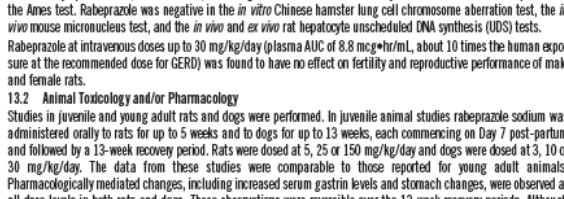
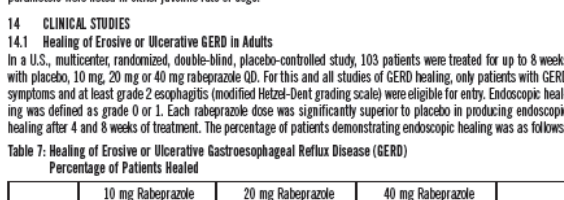


Figure 4: Mean Daytime Heartburn Scores RAB-USA-3



**Table 7: Healing of Erosive or Ulcerative Gastroesophageal Reflux Disease (GERD) - Percentage of Patients Healed**

Week	10 mg Rabeprazole QD N = 27	20 mg Rabeprazole QD N = 25	40 mg Rabeprazole QD N = 25	Placebo N = 25
4	63%*	56%*	54%*	0%
8	83%*	84%*	85%*	12%

\* p < 0.001 versus placebo  
 In addition, the combined analysis of these two studies showed rabeprazole 20 mg significantly improved other GERD-associated symptoms (regurgitation, belching and early satiety) by week 4 compared with placebo (all p values < 0.005). Rabeprazole 20 mg also significantly reduced daily antacid consumption versus placebo over 4 weeks (p < 0.001).

pared to placebo at Weeks 4 and 8 (p < 0.036). Mean reductions from baseline in daily antacid dose were statistically significant for all rabeprazole groups when compared to placebo at both Weeks 4 and 8 (p < 0.007).

In a North American multicenter, randomized, double-blind, active-controlled study of 336 patients, rabeprazole was statistically superior to ranitidine with respect to the percentage of patients healed at endoscopy after 4 and 8 weeks of treatment (see table below).

**Table 8: Healing of Erosive or Ulcerative Gastroesophageal Reflux Disease (GERD) - Percentage of Patients Healed**

Week	Rabeprazole 20 mg QD N = 167	Ranitidine 150 mg QD N = 169
4	59%*	36%
8	87%*	65%

\* p < 0.001 versus ranitidine  
 Rabeprazole 20 mg once daily was significantly more effective than ranitidine 150 mg QID in the percentage of patients with complete resolution of heartburn at Weeks 4 and 8 (p < 0.001). Rabeprazole 20 mg once daily was also more effective in complete resolution of daytime heartburn (p < 0.025), and nighttime heartburn (p < 0.012) at both Weeks 4 and 8, with significant differences by the end of the first week of the study.

**14.2 Long-Term Maintenance of Healing of Erosive or Ulcerative GERD in Adults**  
 The long-term maintenance of healing in patients with erosive or ulcerative GERD previously healed with gastric antiretrotherapy was assessed in two U.S. multicenter, randomized, double-blind, placebo-controlled studies of identical design of 52 weeks duration. The two studies randomized 239 and 255 patients, respectively, to receive either 10 mg or 20 mg of rabeprazole QD or placebo. As demonstrated in the tables below, rabeprazole was significantly superior to placebo in both studies with respect to the maintenance of healing of GERD and the proportions of patients remaining free of heartburn symptoms at 52 weeks.

**Table 9: Percent of Patients in Endoscopic Remission**

	Rabeprazole 10 mg	Rabeprazole 20 mg	Placebo
Study 1	N = 66	N = 67	N = 70
Week 4	93%*	93%*	44%*
Week 13	79%*	93%*	39%*
Week 26	77%*	93%*	31%*
Week 39	76%*	91%*	30%*
Week 52	73%*	90%*	29%*
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Heartburn Frequency			