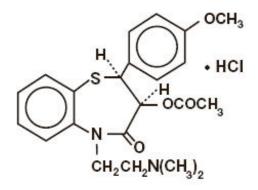
CARDIZEM CD- diltiazem hydrochloride capsule, coated, extended release Bausch Health US LLC

CARDIZEM[®] CD (diltiazem hydrochloride) Extended-Release Capsules

Rx only

DESCRIPTION

CARDIZEM[®] CD (diltiazem hydrochloride) is a calcium ion cellular influx inhibitor (slow channel blocker or calcium antagonist). Chemically, diltiazem hydrochloride is 1,5-Benzothiazepin-4(5*H*)-one, 3-(acetyloxy)-5-[2-(dimethylamino) ethyl]-2, 3-dihydro-2-(4-methoxyphenyl)-, monohydrochloride,(+)-*cis*-. The chemical structure is:



Diltiazem hydrochloride is a white to off-white crystalline powder with a bitter taste. It is soluble in water, methanol, and chloroform. It has a molecular weight of 450.98. CARDIZEM CD is formulated as a once-a-day extended-release capsule containing 120 mg diltiazem hydrochloride (equivalent to 110.3 mg diltiazem), 180 mg diltiazem hydrochloride (equivalent to 165.45 mg diltiazem), 240 mg diltiazem hydrochloride (equivalent to 220.6 mg diltiazem), 300 mg diltiazem hydrochloride (equivalent to 275.75 mg diltiazem), or 360 mg diltiazem hydrochloride (equivalent to 330.9 mg diltiazem).

Capsules also contain: black iron oxide (300 mg), FD&C Blue #1, gelatin, hypromellose, magnesium stearate, microcrystalline cellulose, ethyl acrylate and methyl methacrylate copolymer, polysorbate, povidone, simethicone emulsion, sucrose stearate, talc, and titanium dioxide.

For oral administration.

CLINICAL PHARMACOLOGY

The therapeutic effects of diltiazem are believed to be related to its ability to inhibit the cellular influx of calcium ions during membrane depolarization of cardiac and vascular smooth muscle.

Mechanisms of Action

Hypertension: Diltiazem produces its antihypertensive effect primarily by relaxation of vascular smooth muscle and the resultant decrease in peripheral vascular resistance. The magnitude of blood pressure reduction is related to the degree of hypertension; thus hypertensive individuals experience an antihypertensive effect, whereas there is only a modest fall in blood pressure in normotensives.

Angina: Diltiazem has been shown to produce increases in exercise tolerance, probably due to its ability to reduce myocardial oxygen demand. This is accomplished via reductions in heart rate and systemic blood pressure at submaximal and maximal workloads. Diltiazem has been shown to be a potent

dilator of coronary arteries, both epicardial and subendocardial. Spontaneous and ergonovine-induced coronary artery spasms are inhibited by diltiazem.

In animal models, diltiazem interferes with the slow inward (depolarizing) current in excitable tissue. It causes excitation-contraction uncoupling in various myocardial tissues without changes in the configuration of the action potential. Diltiazem produces relaxation of coronary vascular smooth muscle and dilation of both large and small coronary arteries at drug levels that cause little or no negative inotropic effect. The resultant increases in coronary blood flow (epicardial and subendocardial) occur in ischemic and nonischemic models and are accompanied by dose-dependent decreases in systemic blood pressure and decreases in peripheral resistance.

Hemodynamic and Electrophysiologic Effects

Like other calcium channel antagonists, diltiazem decreases sinoatrial and atrioventricular conduction in isolated tissues and has a negative inotropic effect in isolated preparations. In the intact animal, prolongation of the AH interval can be seen at higher doses.

In man, diltiazem prevents spontaneous and ergonovine-provoked coronary artery spasm. It causes a decrease in peripheral vascular resistance and a modest fall in blood pressure in normotensive individuals and, in exercise tolerance studies in patients with ischemic heart disease, reduces the heart rate-blood pressure product for any given workload. Studies, primarily in patients with good ventricular function, have not revealed evidence of a negative inotropic effect; cardiac output, ejection fraction, and left ventricular end diastolic pressure have not been affected. Such data have no predictive value with respect to effects in patients with poor ventricular function, and increased heart failure has been reported in patients with preexisting impairment of ventricular function. There are few data on the interaction of diltiazem and beta-blockers in patients with poor ventricular function. Resting heart rate is usually slightly reduced by diltiazem.

In hypertensive patients, CARDIZEM CD produces antihypertensive effects both in the supine and standing positions. In a double-blind, parallel, dose-response study utilizing doses ranging from 90 to 540 mg once daily, CARDIZEM CD lowered supine diastolic blood pressure in an apparent linear manner over the entire dose range studied. The changes in diastolic blood pressure, measured at trough, for placebo, 90 mg, 180 mg, 360 mg, and 540 mg were –2.9, –4.5, –6.1, –9.5, and –10.5 mm Hg, respectively. Postural hypotension is infrequently noted upon suddenly assuming an upright position. No reflex tachycardia is associated with the chronic antihypertensive effects. CARDIZEM CD decreases vascular resistance, increases cardiac output (by increasing stroke volume), and produces a slight decrease or no change in heart rate. During dynamic exercise, increases in diastolic pressure are inhibited, while maximum achievable systolic pressure is usually reduced. Chronic therapy with CARDIZEM CD produces no change or an increase in plasma catecholamines. No increased activity of the renin-angiotensin-aldosterone axis has been observed. CARDIZEM CD reduces the renal and peripheral effects of angiotensin II. Hypertensive animal models respond to diltiazem with reductions in blood pressure and increased urinary output and natriuresis without a change in urinary sodium/potassium ratio.

In a double-blind, parallel dose-response study of doses from 60 mg to 480 mg once daily, CARDIZEM CD increased time to termination of exercise in a linear manner over the entire dose range studied. The improvement in time to termination of exercise utilizing a Bruce exercise protocol, measured at trough, for placebo, 60 mg, 120 mg, 240 mg, 360 mg, and 480 mg was 29, 40, 56, 51, 69, and 68 seconds, respectively. As doses of CARDIZEM CD were increased, overall angina frequency was decreased. CARDIZEM CD, 180 mg once daily, or placebo was administered in a double-blind study to patients receiving concomitant treatment with long-acting nitrates and/or beta-blockers. A significant increase in time to termination of exercise and a significant decrease in overall angina frequency was observed. In this trial the overall frequency of adverse events in the CARDIZEM CD treatment group was the same as the placebo group.

Intravenous diltiazem in doses of 20 mg prolongs AH conduction time and AV node functional and

effective refractory periods by approximately 20%. In a study involving single oral doses of diltiazem hydrochloride 300 mg in six normal volunteers, the average maximum PR prolongation was 14% with no instances of greater than first-degree AV block. Diltiazem-associated prolongation of the AH interval is not more pronounced in patients with first-degree heart block. In patients with sick sinus syndrome, diltiazem significantly prolongs sinus cycle length (up to 50% in some cases).

Chronic oral administration of diltiazem hydrochloride to patients in doses of up to 540 mg/day has resulted in small increases in PR interval and on occasion produces abnormal prolongation (see **WARNINGS**).

Pharmacokinetics and Metabolism

Diltiazem is well absorbed from the gastrointestinal tract and is subject to an extensive first-pass effect, giving an absolute bioavailability (compared to intravenous administration) of about 40%. Diltiazem undergoes extensive metabolism in which only 2% to 4% of the unchanged drug appears in the urine. Drugs which induce or inhibit hepatic microsomal enzymes may alter diltiazem disposition.

Total radioactivity measurement following short IV administration in healthy volunteers suggests the presence of other unidentified metabolites, which attain higher concentrations than those of diltiazem and are more slowly eliminated; half-life of total radioactivity is about 20 hours compared to 2 to 5 hours for diltiazem.

In vitro binding studies show diltiazem is 70% to 80% bound to plasma proteins. Competitive in vitro ligand binding studies have also shown diltiazem hydrochloride binding is not altered by therapeutic concentrations of digoxin, hydrochlorothiazide, phenylbutazone, propranolol, salicylic acid, or warfarin. The plasma elimination half-life following single or multiple drug administration is approximately 3.0 to 4.5 hours. Desacetyl diltiazem is also present in the plasma at levels of 10% to 20% of the parent drug and is 25% to 50% as potent as a coronary vasodilator as diltiazem. Minimum therapeutic plasma diltiazem concentrations appear to be in the range of 50 to 200 ng/mL. There is a departure from linearity when dose strengths are increased; the half-life is slightly increased with dose. A study that compared patients with normal hepatic function to patients with cirrhosis found an increase in half-life and a 69% increase in bioavailability in the hepatically impaired patients. A single study in nine patients with severely impaired renal function showed no difference in the pharmacokinetic profile of diltiazem compared to patients with normal renal function.

CARDIZEM CD Capsules: When compared to a regimen of CARDIZEM tablets at steady-state, more than 95% of drug is absorbed from the CARDIZEM CD formulation. A single 360 mg dose of the capsule results in detectable plasma levels within 2 hours and peak plasma levels between 10 and 14 hours; absorption occurs throughout the dosing interval. When CARDIZEM CD was coadministered with a high fat content breakfast, the extent of diltiazem absorption was not affected. Dose-dumping does not occur. The apparent elimination half-life after single or multiple dosing is 5 to 8 hours. A departure from linearity similar to that seen with CARDIZEM tablets and CARDIZEM SR capsules is observed. As the dose of CARDIZEM CD capsules is increased from a daily dose of 120 mg to 240 mg, there is an increase in the area under the curve of 2.7 times. When the dose is increased from 240 mg to 360 mg, there is an increase in the area under the curve of 1.6 times.

In an invitro dissolution study, the release rate of diltiazem from CARDIZEM CD increased significantly as the alcohol percentage in the dissolution medium increased. The effect of alcohol on the release rate may lead to a change in the pharmacokinetics of diltiazem, such as a more rapid absorption and/or an increase in the systemic exposure of diltiazem (see **PRECAUTIONS**, **Drug Interactions**).

INDICATIONS AND USAGE

CARDIZEM CD is indicated for the treatment of hypertension. It may be used alone or in combination with other antihypertensive medications.

CARDIZEM CD is indicated for the management of chronic stable angina and angina due to coronary artery spasm.

CONTRAINDICATIONS

CARDIZEM CD is contraindicated in (1) patients with sick sinus syndrome except in the presence of a functioning ventricular pacemaker, (2) patients with second- or third-degree AV block except in the presence of a functioning ventricular pacemaker, (3) patients with hypotension (less than 90 mm Hg systolic), (4) patients who have demonstrated hypersensitivity to the drug, and (5) patients with acute myocardial infarction and pulmonary congestion documented by x-ray on admission.

WARNINGS

Cardiac Conduction: Diltiazem hydrochloride prolongs AV node refractory periods without significantly prolonging sinus node recovery time, except in patients with sick sinus syndrome. This effect may rarely result in abnormally slow heart rates (particularly in patients with sick sinus syndrome) or second- or third-degree AV block (13 of 3290 patients or 0.40%). Concomitant use of diltiazem with beta-blockers or digitalis may result in additive effects on cardiac conduction. A patient with Prinzmetal's angina developed periods of asystole (2 to 5 seconds) after a single dose of 60 mg of diltiazem (see **ADVERSE REACTIONS**).

Congestive Heart Failure: Although diltiazem has a negative inotropic effect in isolated animal tissue preparations, hemodynamic studies in humans with normal ventricular function have not shown a reduction in cardiac index nor consistent negative effects on contractility (dP/dt). An acute study of oral diltiazem in patients with impaired ventricular function (ejection fraction 24% ± 6%) showed improvement in indices of ventricular function without significant decrease in contractile function (dP/dt). Worsening of congestive heart failure has been reported in patients with preexisting impairment of ventricular function. Experience with the use of diltiazem hydrochloride in combination with betablockers in patients with impaired ventricular function is limited. Caution should be exercised when using this combination.

Hypotension: Decreases in blood pressure associated with diltiazem hydrochloride therapy may occasionally result in symptomatic hypotension.

Acute Hepatic Injury: Mild elevations of transaminases with and without concomitant elevation in alkaline phosphatase and bilirubin have been observed in clinical studies. Such elevations were usually transient and frequently resolved even with continued diltiazem treatment. In rare instances, significant elevations in enzymes such as alkaline phosphatase, LDH, SGOT, SGPT, and other phenomena consistent with acute hepatic injury have been noted. These reactions tended to occur early after therapy initiation (1 to 8 weeks) and have been reversible upon discontinuation of drug therapy. The relationship to diltiazem hydrochloride is uncertain in some cases, but probable in some (see **PRECAUTIONS**).

PRECAUTIONS

<u>General</u>

Diltiazem hydrochloride is extensively metabolized by the liver and excreted by the kidneys and in bile. Laboratory parameters of renal and hepatic function should be monitored at regular intervals. In subacute and chronic dog and rat studies designed to produce toxicity, high doses of diltiazem were associated with hepatic damage. In special subacute hepatic studies, oral doses of 125 mg/kg and higher in rats were associated with histological changes in the liver which were reversible when the drug was discontinued. In dogs, doses of 20 mg/kg were also associated with hepatic changes; however, these changes were reversible with continued dosing.

Dermatological events (see ADVERSE REACTIONS) may be transient and may disappear despite

continued use of diltiazem hydrochloride. However, skin eruptions progressing to erythema multiforme and/or exfoliative dermatitis have also been infrequently reported. Should a dermatologic reaction persist, the drug should be discontinued.

Drug Interactions

Because of the potential for additive effects, slow titration is warranted in patients receiving diltiazem hydrochloride concomitantly with other agents known to affect cardiac contractility and/or conduction (see **WARNINGS**). Pharmacologic studies indicate that there may be additive effects in prolonging AV conduction when using beta-blockers or digitalis concomitantly with CARDIZEM CD (see **WARNINGS**).

Diltiazem is both a substrate and an inhibitor of the cytochrome P450 3A4 enzyme system. Other drugs that are specific substrates, inhibitors, or inducers of this enzyme system may have a significant impact on the efficacy and side effect profile of diltiazem. Patients taking other drugs that are substrates of CYP450 3A4, especially patients with renal and/or hepatic impairment, may require dosage adjustment when starting or stopping concomitantly administered diltiazem in order to maintain optimum therapeutic blood levels.

Anesthetics: The depression of cardiac contractility, conductivity, and automaticity as well as the vascular dilation associated with anesthetics may be potentiated by calcium channel blockers. When used concomitantly, titrate anesthetics and calcium blockers slowly.

Benzodiazepines: Studies showed that diltiazem increased the AUC of midazolam and triazolam by 3to 4-fold and the C_{max} by 2-fold, compared to placebo. The elimination half-life of midazolam and triazolam also increased (1.5- to 2.5-fold) during coadministration with diltiazem. These pharmacokinetic effects seen during diltiazem coadministration can result in increased clinical effects (e.g., prolonged sedation) of both midazolam and triazolam.

Beta-blockers: Controlled and uncontrolled domestic studies suggest that concomitant use of diltiazem hydrochloride and beta-blockers is usually well tolerated, but available data are not sufficient to predict the effects of concomitant treatment in patients with left ventricular dysfunction or cardiac conduction abnormalities.

Administration of diltiazem hydrochloride concomitantly with propranolol in five normal volunteers resulted in increased propranolol levels in all subjects and bioavailability of propranolol was increased approximately 50%. In vitro, propranolol appears to be displaced from its binding sites by diltiazem. If combination therapy is initiated or withdrawn in conjunction with propranolol, an adjustment in the propranolol dose may be warranted (see **WARNINGS**).

Buspirone: In nine healthy subjects, diltiazem significantly increased the mean buspirone AUC 5.5-fold and C_{max} 4.1-fold compared to placebo. The $T_{1/2}$ and T_{max} of buspirone were not significantly affected by diltiazem. Enhanced effects and increased toxicity of buspirone may be possible during concomitant administration with diltiazem. Subsequent dose adjustments may be necessary during coadministration, and should be based on clinical assessment.

Carbamazepine: Concomitant administration of diltiazem with carbamazepine has been reported to result in elevated serum levels of carbamazepine (40% to 72% increase), resulting in toxicity in some cases.

Cimetidine: A study in six healthy volunteers has shown a significant increase in peak diltiazem plasma levels (58%) and area under the curve (53%) after a 1-week course of cimetidine at 1200 mg per day and a single dose of diltiazem 60 mg. Ranitidine produced smaller, nonsignificant increases. The effect may be mediated by cimetidine's known inhibition of hepatic cytochrome P450, the enzyme system responsible for the first-pass metabolism of diltiazem. Patients currently receiving diltiazem therapy should be carefully monitored for a change in pharmacological effect when initiating and discontinuing therapy with cimetidine.

An adjustment in the diltiazem dose may be warranted.

Clonidine: Sinus bradycardia resulting in hospitalization and pacemaker insertion has been reported in association with the use of clonidine concurrently with diltiazem. Monitor heart rate in patients receiving concomitant diltiazem and clonidine.

Cyclosporine: A pharmacokinetic interaction between diltiazem and cyclosporine has been observed during studies involving renal and cardiac transplant patients. In renal and cardiac transplant recipients, a reduction of cyclosporine dose ranging from 15% to 48% was necessary to maintain cyclosporine trough concentrations similar to those seen prior to the addition of diltiazem. If these agents are to be administered concurrently, cyclosporine concentrations should be monitored, especially when diltiazem therapy is initiated, adjusted, or discontinued. The effect of cyclosporine on diltiazem plasma concentrations has not been evaluated.

Digitalis: Administration of diltiazem hydrochloride with digoxin in 24 healthy male subjects increased plasma digoxin concentrations approximately 20%. Another investigator found no increase in digoxin levels in 12 patients with coronary artery disease. Monitor digoxin levels when initiating, adjusting, and discontinuing diltiazem hydrochloride therapy to avoid possible over- or under-digitalization (see **WARNINGS**).

Ivabradine: Concurrent use of diltiazem increases exposure to ivabradine and may exacerbate bradycardia and conduction disturbances. Avoid concomitant use of ivabradine and diltiazem.

Quinidine: Diltiazem significantly increases the AUC_(0- ∞) of quinidine by 51%, T_{1/2} by 36%, and decreases its CL_{oral} by 33%. Monitor for quinidine adverse effects and adjust the dose accordingly.

Rifampin: Coadministration of rifampin with diltiazem lowered the diltiazem plasma concentrations to undetectable levels. Avoid coadministration of diltiazem with rifampin or any known CYP3A4 inducer.

Statins : Diltiazem is an inhibitor of CYP3A4 and has been shown to increase significantly the AUC of some statins. The risk of myopathy and rhabdomyolysis with statins metabolized by CYP3A4 may be increased with concomitant use of diltiazem. When possible, use a non-CYP3A4-metabolized statin together with diltiazem; otherwise, monitor for signs and symptoms of any statin-related adverse events, and adjust the doses accordingly.

In a healthy volunteer crossover study (N=10), coadministration of a single 20 mg dose of simvastatin at the end of a 14-day regimen with 120 mg BID diltiazem SR resulted in a 5-fold increase in mean simvastatin AUC versus simvastatin alone. Subjects with increased average steady-state exposures of diltiazem showed a greater fold increase in simvastatin exposure. Computer-based simulations showed that at a daily dose of 480 mg of diltiazem, an 8- to 9-fold mean increase in simvastatin AUC can be expected. If coadministration of simvastatin with diltiazem is required, limit the daily doses of simvastatin to 10 mg and diltiazem to 240 mg.

In a ten-subject randomized, open-label, 4-way crossover study, coadministration of diltiazem (120 mg BID diltiazem SR for 2 weeks) with a single 20 mg dose of lovastatin resulted in 3- to 4-fold increase in mean lovastatin AUC and C_{max} versus lovastatin alone. In the same study, there was no significant change in 20 mg single dose pravastatin AUC and C_{max} during diltiazem coadministration. Diltiazem plasma levels were not significantly affected by lovastatin or pravastatin.

Alcohol: Alcohol increases the rate at which CARDIZEM CD releases diltiazem in vitro. This effect may lead to more rapid absorption and an increase in the systemic exposure of diltiazem, and associated dose-related adverse reactions. Avoid consumption of alcohol with CARDIZEM CD (see **CLINICAL PHARMACOLOGY**).

Carcinogenesis, Mutagenesis, Impairment of Fertility

A 24-month study in rats at oral dosage levels of up to 100 mg/kg/day and a 21-month study in mice at oral dosage levels of up to 30 mg/kg/day showed no evidence of carcinogenicity. There was also no mutagenic response in vitro or in vivoin mammalian cell assays or in vitro in bacteria. No evidence of impaired fertility was observed in a study performed in male and female rats at oral dosages of up to

100 mg/kg/day.

<u>Pregnancy</u>

Reproduction studies have been conducted in mice, rats, and rabbits. Administration of doses ranging from five to ten times greater (on a mg/kg basis) than the daily recommended therapeutic dose has resulted in embryo and fetal lethality. These doses, in some studies, have been reported to cause skeletal abnormalities. In the perinatal/postnatal studies, there was an increased incidence of stillbirths at doses of 20 times the human dose or greater.

There are no well-controlled studies in pregnant women; therefore, use diltiazem hydrochloride in pregnant women only if the potential benefit justifies the potential risk to the fetus.

Nursing Mothers

Diltiazem is excreted in human milk. One report suggests that concentrations in breast milk may approximate serum levels. If use of CARDIZEM CD is deemed essential, an alternative method of infant feeding should be instituted.

Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

<u>Geriatric Use</u>

Clinical studies of diltiazem did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

ADVERSE REACTIONS

Serious adverse reactions have been rare in studies carried out to date, but it should be recognized that patients with impaired ventricular function and cardiac conduction abnormalities have usually been excluded from these studies.

The following table presents the most common adverse reactions reported in placebo-controlled angina and hypertension trials in patients receiving CARDIZEM CD up to 360 mg with rates in placebo patients shown for comparison.

CARDIZEM CD Capsule Placebo-Controlled Angina and Hypertension Trials Combined					
	CARDIZEM CD	Placebo			
Adverse Reactions	(n=607)	(n=301)			
Headache	5.4%	5.0%			
Dizziness	3.0%	3.0%			
Bradycardia	3.3%	1.3%			
AV Block First Degree	3.3%	0.0%			
Edema	2.6%	1.3%			
Asthenia	1.8%	1.7%			

In addition, the following events were reported infrequently (less than 1%) in angina or hypertension trials:

Cardiovas cular: Congestive heart failure, palpitations, syncope, ventricular extrasystoles.

Nervous System: Abnormal dreams, amnesia, depression, gait abnormality, hallucinations, insomnia,

nervousness, paresthesia, personality change, somnolence, tinnitus, tremor.

Gas trointes tinal: Anorexia, constipation, diarrhea, dry mouth, dysgeusia, dyspepsia, mild elevations of SGOT, SGPT, LDH, and alkaline phosphatase (see **WARNINGS, Acute Hepatic Injury**), thirst, vomiting, weight increase.

Dermatological: Petechiae, photosensitivity, pruritus, urticaria.

Other: Amblyopia, CPK increase, dyspnea, epistaxis, eye irritation, hyperglycemia, hyperuricemia, impotence, muscle cramps, nasal congestion, nocturia, osteoarticular pain, polyuria, sexual difficulties.

The following postmarketing events have been reported infrequently in patients receiving diltiazem hydrochloride: acute generalized exanthematous pustulosis, allergic reactions, alopecia, angioedema (including facial or periorbital edema), asystole, erythema multiforme (including Stevens-Johnson syndrome, toxic epidermal necrolysis), exfoliative dermatitis, extrapyramidal symptoms, gingival hyperplasia, hemolytic anemia, increased bleeding time, leukopenia, photosensitivity (including lichenoid keratosis and hyperpigmentation at sun-exposed skin areas), purpura, retinopathy, myopathy, and thrombocytopenia. In addition, events such as myocardial infarction have been observed which are not readily distinguishable from the natural history of the disease in these patients. A number of well-documented cases of generalized rash, some characterized as leukocytoclastic vasculitis, have been reported. However, a definitive cause and effect relationship between these events and diltiazem hydrochloride therapy is yet to be established.

To report SUSPECTED ADVERSE REACTIONS, contact Bausch Health US, LLC at 1-800-321-4576 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

OVERDOSAGE

The oral LD_{50} s in mice and rats range from 415 to 740 mg/kg and from 560 to 810 mg/kg, respectively. The intravenous LD_{50} s in these species were 60 and 38 mg/kg, respectively. The oral LD_{50} in dogs is considered to be in excess of 50 mg/kg, while lethality was seen in monkeys at 360 mg/kg.

The toxic dose in man is not known. Because of its extensive metabolism, blood levels after a standard dose of diltiazem can vary over tenfold, limiting the usefulness of blood levels in overdose cases.

There have been reports of diltiazem overdose in amounts ranging from <1 g to 18 g. Of cases with known outcome, most patients recovered and in cases with a fatal outcome, the majority involved multiple drug ingestion.

Events observed following diltiazem overdose included bradycardia, hypotension, heart block, and cardiac failure. Most reports of overdose described some supportive medical measure and/or drug treatment. Bradycardia frequently responded favorably to atropine, as did heart block, although cardiac pacing was also frequently utilized to treat heart block. Fluids and vasopressors were used to maintain blood pressure and in cases of cardiac failure, inotropic agents were administered. In addition, some patients received treatment with ventilatory support, gastric lavage, activated charcoal, and/or intravenous calcium.

In the event of overdose or exaggerated response, appropriate supportive measures should be employed in addition to gastrointestinal decontamination. Diltiazem does not appear to be removed by peritoneal or hemodialysis. Limited data suggest that plasmapheresis or charcoal hemoperfusion may hasten diltiazem elimination following overdose. Based on the known pharmacological effects of diltiazem and/or reported clinical experiences, the following measures may be considered:

Bradycardia: Administer atropine (0.60 to 1.0 mg). If there is no response to vagal blockade, administer isoproterenol cautiously.

High-degree AV Block: Treat as for bradycardia above. Fixed high-degree AV block should be treated with cardiac pacing.

Cardiac Failure: Administer inotropic agents (isoproterenol, dopamine, or dobutamine) and diuretics.

Hypotension: Vasopressors (e.g., dopamine or norepinephrine).

Actual treatment and dosage should depend on the severity of the clinical situation and the judgment and experience of the treating physician.

DOSAGE AND ADMINISTRATION

Patients controlled on diltiazem alone or in combination with other medications may be switched to CARDIZEM CD capsules at the nearest equivalent total daily dose. Higher doses of CARDIZEM CD may be needed in some patients. Monitor patients closely. Subsequent titration to higher or lower doses may be necessary. There is limited general clinical experience with doses above 360 mg, but doses to 540 mg have been studied in clinical trials. The incidence of side effects increases as the dose increases with first-degree AV block, dizziness, and sinus bradycardia bearing the strongest relationship to dose.

Hypertension: Adjust dosage to individual patient needs. When used as monotherapy, reasonable starting doses are 180 to 240 mg once daily, although some patients may respond to lower doses. Maximum antihypertensive effect is usually observed by 14 days of chronic therapy; therefore, schedule dosage adjustments accordingly. The usual dosage range studied in clinical trials was 240 to 360 mg once daily. Individual patients may respond to higher doses of up to 480 mg once daily.

Angina: Dosages for the treatment of angina should be adjusted to each patient's needs, starting with a dose of 120 or 180 mg once daily. Individual patients may respond to higher doses of up to 480 mg once daily. When necessary, titration may be carried out over a 7- to 14-day period.

Concomitant Use with Other Cardiovas cular Agents:

Sublingual NTG: May be taken as required to abort acute anginal attacks during diltiazem hydrochloride therapy.

Prophylactic Nitrate Therapy: Diltiazem hydrochloride may be safely coadministered with short- and long-acting nitrates.

Beta-blockers: (See WARNINGS and PRECAUTIONS.)

Antihypertensives: Diltiazem hydrochloride has an additive antihypertensive effect when used with other antihypertensive agents. Therefore, the dosage of diltiazem hydrochloride or the concomitant antihypertensives may need to be adjusted when adding one to the other.

HOW SUPPLIED

CA	CARDIZEM® CD (diltiazem hydrochloride) Extended-Release Capsules						
Strength	Quantity	NDC Number	Description				
120 mg	30 count	0187-0795-30	Light turquoise blue/light turquoise blue capsule				
	90 count	0187-0795-42	imprinted with "cardizem CD 120 mg" on body.				
180 mg	30 count	0187-0796-30	Light blue/light turquoise blue capsule imprinted				
	90 count	0187-0796-42	with "cardizem CD 180 mg" on body.				
240 mg	30 count	0187-0797-30	Light blue/light blue capsule imprinted with				
	90 count	0187-0797-42	"cardizem CD 240 mg" on body.				
300 mg	30 count	0187-0798-30	Light blue/light gray capsule imprinted with				
_	90 count	0187-0798-42	"cardizem CD 300 mg" on body.				
360 mg	90 count	0187-0799-42	Light blue/white capsule imprinted with				
			"cardizem CD 360 mg" on body.				

Controlled Room Temperature]. Avoid excessive humidity.

Distributed by: Bausch Health US, LLC Bridgewater, NJ 08807 USA

Manufactured by: Bausch Health Companies Inc. Steinbach, MB R5G 1Z7, Canada

CARDIZEM is a trademark of Bausch Health Companies Inc. or its affiliates.

© 2020 Bausch Health Companies Inc. or its affiliates

Rev. 04/2020

9474003 20002793

Package/Label Display Panel -120 mg

NDC 0187-0795-42

Rx only

CARDIZEM[®] CD

(diltiazem hydrochloride)

Extended-Release Capsules ONCE-A-DAY DOSAGE

120 mg

90 Capsules

BAUSCH HEALTH



Package/Label Display Panel – 180 mg

NDC 0187-0796-42

Rx only

CARDIZEM[®] CD

(diltiazem hydrochloride)

Extended-Release Capsules ONCE-A-DAY DOSAGE

180 mg

90 Capsules

BAUSCH HEALTH



Package/Label Display Panel – 240 mg

NDC 0187-0797-42

Rx only

CARDIZEM[®] CD

(diltiazem hydrochloride)

Extended-Release Capsules ONCE-A-DAY

DOSAGE
240 mg
90 Capsules
BAUSCH HEALTH



Package/Label Display Panel – 300 mg

NDC 0187-0798-42

Rx only

CARDIZEM[®] CD

(diltiazem hydrochloride)

Extended-Release Capsules ONCE-A-DAY DOSAGE

300 mg

90 Capsules

BAUSCH HEALTH



Package/Label Display Panel – 360 mg

NDC 0187-0799-42

Rx only

CARDIZEM[®] CD

(diltiazem hydrochloride)

Extended-Release Capsules ONCE-A-DAY DOSAGE

360 mg

90 Capsules

BAUSCH HEALTH



	ormation	HUMAN PRESCRIPTION DRUG	Ham C	le (Source)	NDC	187-0795	
Product Type			Item Coc	le (Source)	NDC:0	18/-0/95	
Route of Adm	inistration	ORAL					
Active Ingr	edient/Active M	piety					
		igredient Name		Basis o	of Strength	Strengtl	
Diltiazem Hydı	Itiazem Hydrochloride (UNII: OLH94387TE) (Diltiazem - UNII:EE92BBP03H) Diltiazem Hydrochloride 12						
Inactive Ing	redients						
		Ingredient Name				Strengt	
FERROSOFER	RIC OXIDE (UNII: XM	-				300 mg	
FD&C BLUE N	0.1 (UNII: H3R47K3T	BD)					
MAGNESIUM S	TEARATE (UNII: 700	97M6I30)					
ETHYL ACRYL	ATE AND METHYL	METHACRYLATE COPOLYMER (2:1	;750000 MW	(UNII: P2OI	M2Q86BI)		
POLYSORBAT	T E 80 (UNII: 60ZP39Z	2G8H)					
PO VIDO NE K3	0 (UNII: U725QWY32	X)					
SUCROSE STE	ARATE (UNII: 274KW	70 O 50 M)					
TALC (UNII: 7S	EV7J4R1U)						
FITANIUM DIO	XIDE (UNII: 15FIX9V	2JP)					
GELATIN, UNS	PECIFIED (UNII: 2G8	6ON327L)					
HYPRO MELLO		UNII: 3NXW29V3WO)					
HYPRO MELLO							
HYPRO MELLC		UNII: 3NXW29V3WO)					
HYPRO MELL C MICRO CRYST	ALLINE CELLULOS	UNII: 3NXW29V3WO)					
HYPROMELLO MICROCRYST Product Ch a	ALLINE CELLULOS aracteristics	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U)	Score		no score		
HYPROMELLO MICROCRYST Product Ch a Color	ALLINE CELLULOS aracteristics	UNII: 3NXW29V3WO)	Score Size		no score 18mm		
HYPROMELLO MICROCRYST Product Ch a Color Shape	ALLINE CELLULOS aracteristics BLUE (light turquoise	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U)	Size	Code	18 mm	20 ;mg	
HYPROMELLO MICROCRYST Product Cha Color Shape Flavor	ALLINE CELLULOS aracteristics BLUE (light turquoise	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U)		Code		20;mg	
HYPROMELLO MICROCRYST Product Ch a Color	ALLINE CELLULOS aracteristics BLUE (light turquoise	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U)	Size	Code	18 mm	20 ;mg	
HYPROMELLO MICROCRYST Product Cha Color Shape Flavor	ALLINE CELLULOS aracteristics BLUE (light turquoise	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U)	Size	Code	18 mm	20;mg	
HYPROMELLO MICROCRYST Product Cha Color Shape Flavor Contains	ALLINE CELLULOS aracteristics BLUE (light turquoise CAPSULE	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U)	Size Imprint (Code rketing Sta Date	18mm cardizem;CD;1	20;mg keting End Date	
HYPROMELLO MICROCRYST Product Cha Color Shape Flavor Contains Packaging # Item Co	ALLINE CELLULOS aracteristics BLUE (light turquoise CAPSULE de	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U) blue,light turquoise blue)	Size Imprint (keting Sta Date	18mm cardizem;CD;1	ceting End	
HYPROMELLO MICROCRYST Color Shape Flavor Contains HERE A Color Shape Flavor Contains Contains HERE A Color Shape Shape Contains Contains Color Shape Shape Contains C	ALLINE CELLULOS aracteristics BLUE (light turquoise CAPSULE de	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U) blue,light turquoise blue) Package Description	Size Imprint (Man 04/11/2	rketing Sta Date	18mm cardizem;CD;1	ceting End	
HYPROMELLO MICROCRYST Color Shape Flavor Contains Packaging Jitem Coo 1 NDC:0187-07 30 2 NDC:0187-07	ALLINE CELLULOS aracteristics BLUE (light turquoise CAPSULE de	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U) blue,light turquoise blue) Package Description E, PLASTIC; Type 0: Not a Combination E, PLASTIC; Type 0: Not a Combination	Size Imprint (Man 04/11/2	cketing Sta Date 001 001	18mm cardizem;CD;1	ceting End Date	
HYPROMELLO MICROCRYST Color Shape Flavor Contains HERE Kaging Item Cou 3 NDC:0187-07 2 NDC:0187-07	ALLINE CELLULOS aracteristics BLUE (light turquoise CAPSULE de 295- 30 in 1 BOTTL Product 295- 90 in 1 BOTTL 295- 10 in 1 BOX, U	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U) blue,light turquoise blue) Package Description E, PLASTIC; Type 0: Not a Combination E, PLASTIC; Type 0: Not a Combination	Size Imprint (Man 04/11/2 04/11/2 04/11/2	cketing Sta Date 001 001	18 mm cardizem;CD;1	ceting End Date	
HYPROMELLO MICROCRYST Color Shape Flavor Contains Packaging Item Coo 1 NDC:0187-07 2 NDC:0187-07 49	ALLINE CELLULOS aracteristics BLUE (light turquoise CAPSULE de 295- 30 in 1 BOTTL Product 295- 90 in 1 BOTTL 295- 10 in 1 BOX, U	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U) blue,light turquoise blue) Package Description E, PLASTIC; Type 0: Not a Combination E, PLASTIC; Type 0: Not a Combination NIT-DOSE	Size Imprint (Man 04/11/2 04/11/2 04/11/2	cketing Sta Date 001 001	18 mm cardizem;CD;1	ceting End Date	
HyproMELLO MICROCRYST Color Shape Flavor Contains H MDC:0187-07 NDC:0187-07 NDC:0187-07 NDC:0187-07 NDC:0187-07	ALLINE CELLULOS aracteristics BLUE (light turquoise CAPSULE de 295- 30 in 1 BOTTL Product 295- 90 in 1 BOTTL 295- 10 in 1 BOX, U	UNII: 3NXW29V3WO) E (UNII: OP1R32D61U) blue,light turquoise blue) Package Description E, PLASTIC; Type 0: Not a Combination E, PLASTIC; Type 0: Not a Combination NIT-DOSE R PACK; Type 0: Not a Combination Pro	Size Imprint (Man 04/11/2 04/11/2 04/11/2	cketing Sta Date 001 001	18 mm cardizem;CD;1	ceting End Date	

04/11/2001

Product Inf	ormation						
Product Type	!	HUMAN PRESCRIPTION DRU	G	Item Code	(Source)	NDC:0	187-0796
Route of Adm	inistration	ORAL					
Active Ingr	edient/Active Moi	ety					
0		redient Name			Basis of Str	ength	Strength
Diltiazem Hydı	rochloride (UNII: OLHS)4387TE) (Diltiazem - UNII:EE9	2BBP03H)]	Diltiazem Hydroc	hlo ride	180 mg
Inactive Ing	redients						
		Ingredient Name	2				Strengt
	RIC OXIDE (UNII: XM0	,					300 mg
	0.1 (UNII: H3R47K3TB	,					
	TEARATE (UNII: 7009						
		ETHACRYLATE COPOLYME	IR (2:1; 75	0000 MW) (UNII: P2OM2Q86	oBI)	
	TE 80 (UNII: 6OZP39ZC 0 (UNII: U725QWY32X	,					
	ARATE (UNII: 274KW0						
TALC (UNII: 7S		00011					
	XIDE (UNII: 15FIX9V2.	IP)					
	PECIFIED (UNII: 2G86						
HYPRO MELLO	SE, UNSPECIFIED (U	NII: 3NXW29V3WO)					
MICROCRYST	ALLINE CELLULO SE	(UNII: OP1R32D61U)					
	aracteristics						
Color	BLUE (Light turquo is	e blue, blue)	Score		no score		
Shape	CAPSULE		Size	. .	22mm	7.5.40.0	
Flavor Contains			Imprin	t Code	cardizem;C	_D;180;m	g
Contains							
Packaging							
# Item Co	de	Package Description		Mark	eting Start Date		eting End Date
1 NDC:0187-07 30	Product	, PLASTIC; Type 0: Not a Comb		04/11/20	01		
, NDC:0187-07	796- 90 in 1 BOTTLE	, PLASTIC; Type 0: Not a Comb	oinatio n	04/11/20	01		
2 NDC:0187-07 42 NDC:0187-07	Product						

4 NDC:0187-0796- 50	5000 in 1 DRUM;	Type 0: Not a Combination Product	04/11/2001	06/30/20	16	
	· · · · · · · · · · · · · · · · · · ·					
Marketing Inf						
Marketing Categor		on Number or Monograph Citation	Marketing Start Date	Marketin	ng End Date	
NDA	NDA020062		04/11/2001			
CARDIZEM C	D					
liltiazem hydrochloi	ride capsule, co	oated, extended release				
Product Informa	tion					
Product T ype		HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:0	187-0797	
Route of Administra	ation	ORAL				
Active Ingredien	t/Active Moi	ty				
	Ing	redient Name	Basis of S	trength	Strengtl	
Diltiazem Hydrochlo:	ride (UNII: OLH9	4387TE) (Diltiazem - UNII:EE92BBP03H	H) Diltiazem Hydro	o chlo ride	240 mg	
		Ingredient Name			Strengt	
FERROSOFERRIC O					300 mg	
FD&C BLUE NO. 1 (U						
MAGNESIUM STEAR				OCDD		
		ETHACRYLATE COPOLYMER (2:1; 7	50000 MW) (UNII: P20M2Q	86BI)		
POLYSORBATE 80 (POVIDONE K30 (UNI						
SUCROSE STEARAT	- ,					
TALC (UNII: 7SEV7J4)						
TITANIUM DIO XIDE		P)				
GELATIN, UNSPECIF						
HYPROMELLOSE, U	NSPECIFIED (UN	III: 3NXW29V3WO)				
MICROCRYSTALLIN	E CELLULO SE	(UNII: OP1R32D61U)				
Product Charact	eristics					
Color	BLUE (blue, blue)	Score	no score			
Shape (CAPSULE	Size	23mm			
Flavor		Imprint Code	cardizem;CD;24	0;mg		
Contains						
Packaging						

# Item Code	Package Description	Date Date	Date
1 NDC:0187-0797- 30	30 in 1 BOTTLE, PLASTIC; Type 0: Not a Combination Product	04/11/2001	
2 NDC:0187-0797- 42	90 in 1 BOTTLE, PLASTIC; Type 0: Not a Combination Product	04/11/2001	
3 NDC:0187-0797- 49	10 in 1 BOX, UNIT-DOSE	04/11/2001	05/31/2017
3	10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
Marketing Inf	ormation		
Marketing Categor	y Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA020062	04/11/2001	

diltiazem hy	drochloride capsule, c	baled, extended release				
D	r					
Product I	Information					
Product Ty	yp e	HUMAN PRESCRIPTION DRUG	Ite m Cod	e (Source)	NDC:0	187-0798
Route of Ac	dministration	ORAL				
Active In	gredient/Active Moi	ety				
	Ing	redient Name		Basis of St	rength	Strength
Diltiazem H	l ydrochloride (UNII: OLH9	4387TE) (Diltiazem - UNII:EE92BBP03H)	Diltiazem Hydro	c hlo ride	300 mg
Inactive I	ngredients					
	8					
		Ingredient Name				U
	ERRIC OXIDE (UNII: XM0	M87F357)				Strength 300 mg
FD&C BLUE	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB)	M87F357) D)				U
FD&C BLUE MAGNESIUN	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB M STEARATE (UNII: 7009	M87F357) D) 7M6I30)	50000 MM/		96 D D	U
FD&C BLUE MAGNESIUN ETHYL ACR	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB M STEARATE (UNII: 7009 RYLATE AND METHYL M	M87F357) D) 7M6I30) ETHACRYLATE COPOLYMER (2:1; 7	50000 MW)) (UNII: P2OM2Q8	86BI)	
FD&C BLUE MAGNESIUN ETHYL ACR POLYSORB	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG	M87F357) D) 7M6I30) ETHACRYLATE COPOLYMER (2:1; 7 8H)	50000 MW)) (UNII: P2OM2Q8	86BI)	U
FD&C BLUF MAGNESIUF ETHYL ACR POLYSORB POVIDONE	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB) M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X)	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8H)	50000 MW)) (UNII: P2OM2Q8	86BI)	U
FD&C BLUE MAGNESIUE ETHYL ACR POLYSORB POVIDONE SUCROSE S	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB) M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X) TEARATE (UNII: 274KW0	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8H)	50000 MW)) (UNII: P2OM2Q8	86BI)	U
FD&C BLUE MAGNESIUN ETHYL ACR POLYSORB POVIDONE SUCROSE S TALC (UNII:	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB) M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X) MTEARATE (UNII: 274KW0 7SEV7J4R1U)	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8 H) 050 M)	50000 MW)) (UNII: P2OM2Q8	86BI)	U
FD&C BLUF MAGNESIUF ETHYL ACR POLYSORB POVIDONE SUCROSE S TALC (UNII: TITANIUM I	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB) M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 6 OZP39ZG K30 (UNII: U725QWY32X) TEARATE (UNII: 274KW0 7 7SEV7J4R1U) DIOXIDE (UNII: 15FIX9V2J	M87F357) D) 7M6I30) ETHACRYLATE COPOLYMER (2:1; 7 8H) 050M) P)	50000 MW)) (UNII: P2OM2Q8	86BI)	
FD&C BLUF MAGNESIUN ETHYL ACR POLYSORB POVIDONE SUCROSE S TALC (UNII: TITANIUM I GELATIN, U	ERRIC O XIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X) TEARATE (UNII: 274KW0 : 75EV7J4R1U) DIO XIDE (UNII: 15FIX9V2J JNSPECIFIED (UNII: 2G86	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8 H) 0 50 M) P) QN327L)	50000 MW)) (UNII: P2OM2Q8	86BI)	U
FD&C BLUF MAGNESIUF ETHYL ACR POLYSORB POVIDONE SUCROSE S TALC (UNII: TITANIUM I GELATIN, U HYPROMEL	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB) M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X) TEARATE (UNII: 274KW0 7SEV7J4R1U) DIOXIDE (UNII: 15FIX9V2J JNSPECIFIED (UNII: 2G866 LOSE, UNSPECIFIED (UN	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8H) 050 M) P) QN327L) VII: 3NXW29 V3WO)	50000 MW)	0 (UNII: P2OM2Q	86BD)	
FD&C BLUE MAGNESIUE ETHYL ACR POLYSORB POVIDONE SUCROSE S TALC (UNII: TITANIUM I GELATIN, U HYPROMEL	ERRIC O XIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X) TEARATE (UNII: 274KW0 : 75EV7J4R1U) DIO XIDE (UNII: 15FIX9V2J JNSPECIFIED (UNII: 2G86	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8H) 050 M) P) QN327L) VII: 3NXW29 V3WO)	50000 MW)) (UNII: P2OM2Q8	86BI)	
FD&C BLUE MAGNESIUE ETHYL ACR POLYSORB POVIDONE SUCROSE S TALC (UNII: TITANIUM I GELATIN, U HYPROMEL MICROCRY	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB) M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X) TEARATE (UNII: 274KW0 7SEV7J4R1U) DIOXIDE (UNII: 15FIX9V2J JNSPECIFIED (UNII: 2G866 LOSE, UNSPECIFIED (UN	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8H) 050 M) P) QN327L) VII: 3NXW29 V3WO)	50000 MW)	UNII: P2OM2Q	86BI)	U
FD&C BLUE MAGNESIUE ETHYL ACR POLYSORB POVIDONE SUCROSE S TALC (UNII: TITANIUM I GELATIN, U HYPROMEL MICROCRY	ERRIC OXIDE (UNII: XM0 E NO. 1 (UNII: H3R47K3TB) M STEARATE (UNII: 7009 RYLATE AND METHYL M BATE 80 (UNII: 60ZP39ZG K30 (UNII: U725QWY32X) TEARATE (UNII: 274KW0 75EV7J4R1U) DIOXIDE (UNII: 15FIX9V2J JNSPECIFIED (UNII: 2G866 LOSE, UNSPECIFIED (UN STALLINE CELLULOSE	M8 7F357) D) 7M6 I30) ETHACRYLATE COPOLYMER (2:1; 7 8 H) 0 50 M) P) QN327L) VII: 3NXW29 V3WO) (UNII: OP1R32D6 1U)		0 (UNII: P2OM2Q8		Strength 300 mg - <t< td=""></t<>

OT	vor		In	print	t Code	card	izem;CD;	;300;n	ıg
	itains								
Pao	ckaging								
#	Item Code		Package Description		Mar	keting Star Date	t N		ting End Date
1 N	DC:0187-0798-)	30 in 1 BOTTLE, Product	PLASTIC; Type 0: Not a Combination		04/11/20	001			
2 N	DC:0187-0798- 2	90 in 1 BOTTLE, Product	PLASTIC; Type 0: Not a Combination		04/11/20	001			
Ma	arketing In	formation							
	rketing Catego		n Number or Monograph Citation	м	arketir	ig Start Date	e Mar	ketin	g End Date
NDA		NDA020062			/11/2001	•		ine un	5 Linu Dutt
1101	1	11020002		04/	11/2001				
٢٨	RDIZEM C	חי							
111111	izem nydrocnio	ride capsule, co	ated, extended release						
-	1								
	oduct Informa	ation							
Pro	duct T ype		HUMAN PRESCRIPTION DRUG	Tto	- Cad	(Faurca)	NI		37-0799
110				ne	m Coa	e (Source)	INI	DC:018	37 0700
	ite of Administr	ation	ORAL	Ite	m Cou	e (Source)	INI	DC:018	
		ation		Ite	m Cou	e (Source)	INI	DC:01	
		ation		Ite	m Cou	e (Source)		DC:01	
Rou	ite of Administr	ation nt/Active Moie	ORAL	Ite	m Cou	e (source)		DC:01	
Rou	ite of Administr	nt/Active Moie	ORAL	Ite	m Cou	Basis of			
Rou Act	tte of Administrative Ingredier	nt/Active Moie Ing	ORAL •ty		m Cou		Streng	th	Strength 360 mg
Rou Act	tte of Administrative Ingredier	nt/Active Moie Ing	ORAL ety redient Name		m Cou	Basis of	Streng	th	Strength
Rou Act Dilt	ite of Administr t ive Ingredier iazem Hydrochlo	nt/Active Moie Ing pride (UNII: OLH9	ORAL ety redient Name		m Cou	Basis of	Streng	th	Strength
Rou Act Dilt	tte of Administrative Ingredier	nt/Active Moie Ing pride (UNII: OLH9	ORAL ety redient Name		m Cou	Basis of	Streng	th	Strength
Rou Act Dilt	tive Ingredier iazem Hydrochlo ctive Ingredie	nt/Active Moie Ing oride (UNII: OLH9 ents	ORAL ety redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 Ingredient Name		m Cou	Basis of	Streng	th	Strength 360 mg Strength
Rou Act Dilt	ite of Administr tive Ingredier iazem Hydrochlo ctive Ingredie ROSOFERRIC O	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XM01	ORAL ety redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 Ingredient Name M87F357)		mCou	Basis of	Streng	th	Strength 360 mg
Rou Act Dilti Ina FER FD8	tive Ingredier iazem Hydrochlo ctive Ingredie ROSOFERRIC O &C BLUE NO. 1 (1	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XM01 UNII: H3R47K3TBE	ORAL ty redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 Ingredient Name M87F357)))		m Cou	Basis of	Streng	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAC	tive Ingredier iazem Hydrochlo ctive Ingredia ROSOFERRIC O &C BLUE NO. 1 (U GNESIUM STEAR	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097	ORAL ety redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 Ingredient Name M87F357))) M6130)	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilt Ina FER FD8 MAQ ETH	tive Ingredier iazem Hydrochlo ctive Ingredie ROSOFERRIC O & C BLUE NO. 1 (U GNESIUM STEAR	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XMOI UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL ME	ORAL ty redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 fungredient Name 487F357) M87F357) M6130) THACRYLATE COPOLYMER (2:1;	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAG ETH POI	tive Ingredier iazem Hydrochlo ctive Ingredie ROSOFERRIC O &C BLUE NO. 1 (U GNESIUM STEAR IYL ACRYLATE 4	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XM0 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG8	ORAL ty redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 fungredient Name 487F357) M87F357) M6130) THACRYLATE COPOLYMER (2:1;	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilt Ina FER FD8 MAC ETH POI	tive Ingredier tive Ingredier tiazem Hydrochlo ctive Ingredia ROSOFERRIC O & C BLUE NO. 1 (U GNESIUM STEAR IYL ACRYLATE A LYSORBATE 80 (UN	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL ME (UNII: 6 OZP39ZG8 UII: U725QWY32X)	ORAL ty redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 M87F357) M87F357) TM6130) THACRYLATE COPOLYMER (2:1; BH)	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAC ETH POI SUC	tive Ingredier iazem Hydrochlo ctive Ingredie ctive Ingredie ROSOFERRIC O C BLUE NO. 1 (U GNESIUM STEAR IYL ACRYLATE 4 JSORBATE 80 (UDONE K30 (UN CROSE STEARAT	nt/Active Moie Ing oride (UNII: OLH9) ents ents XIDE (UNII: XM01 UNII: H3R47K3TBI RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG& III: U725QWY32X) TE (UNII: 274KW00	ORAL ty redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 M87F357) M87F357) TM6130) THACRYLATE COPOLYMER (2:1; BH)	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAC ETH POI SUC TAI	tive Ingredier iazem Hydrochlo ctive Ingredia ctive Ingredia ROSOFERRIC O aC BLUE NO. 1 (U GNESIUM STEAR IYL ACRYLATE A JYSORBATE 80 (U VIDONE K30 (UN CROSE STEARAT AC (UNII: 7SEV7J4	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 6 OZP39ZG& III: U725QWY32X) TE (UNII: 274KW00 IR1U)	ORAL ty redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 fungredient Name M87F357)) fundia0) THACRYLATE COPOLYMER (2:1; BH)	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAQ ETH POI SUC TAL TIT	tive Ingredier iazem Hydrochlo ctive Ingredie ctive Ingredie ROSOFERRIC O C BLUE NO. 1 (U GNESIUM STEAR IYL ACRYLATE A YSORBATE 80 (VIDONE K30 (UN ROSE STEARAT C (UNII: 7SEV7J4 ANIUM DIO XIDE	nt/Active Moie Ing pride (UNII: OLH9 ents ents XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG8 II: U725QWY32X) TE (UNII: 274KW00 IR1U)	ORAL ty ty redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 bin fmgredient Name N87F357) constant Name fm6130) constant Name fm6130) constant Name p)	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAC ETH POI SUC TAL TIT. GEL	tive Ingredier iazem Hydrochlo ctive Ingredie ctive Ingredie ctive Ingredie cosoferric O c BLUE NO. 1 (C GNESIUM STEAR YL ACRYLATE A VIDONE K30 (UN CROSE STEARAT C (UNII: 7SEV7J4 ANIUM DIO XIDE ATIN, UNSPECIE	nt/Active Moie Ing pride (UNII: OLH9 ents XIDE (UNII: XM01 UNII: H3R47K3TBE ATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG6 III: U725QWY32X) TE (UNII: 274KW00 IR1U) (UNII: 15FIX9V2JI FIED (UNII: 2G860	ORAL ty redient Name 438 7TE) (Diltiazem - UNII:EE92BBP03 M8 7F357) M6 130) THACRYLATE COPOLYMER (2:1; 8H) 550 M) (2000)	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAC ETH POI SUC TAL TIT, GEL HYP	tive Ingredier iazem Hydrochlo ctive Ingredie ctive Ingredie ROSOFERRIC O C BLUE NO. 1 (U GNESIUM STEAR IVL ACRYLATE 2 YSORBATE 80 (VIDONE K30 (UN CROSE STEARAT C (UNII: 7SEV7J4 ANIUM DIO XIDE ATIN, UNSPECIE PROMELLOSE, U	nt/Active Moie Ing pride (UNII: OLH9) ents ents XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG8 III: U725QWY32X) E (UNII: 274KW00 III: U725QWY32X) E (UNII: 15FIX9V2J) FIED (UNII: 26860 UNSPECIFIED (UNI	ORAL ety redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 M87F357) M6130) THACRYLATE COPOLYMER (2:1; 3H) 250M) P) 2000 20	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAC ETH POI SUC TAL TIT, GEL HYP	tive Ingredier iazem Hydrochlo ctive Ingredie ctive Ingredie ROSOFERRIC O C BLUE NO. 1 (U GNESIUM STEAR IVL ACRYLATE 2 YSORBATE 80 (VIDONE K30 (UN CROSE STEARAT C (UNII: 7SEV7J4 ANIUM DIO XIDE ATIN, UNSPECIE PROMELLOSE, U	nt/Active Moie Ing pride (UNII: OLH9) ents ents XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG8 III: U725QWY32X) E (UNII: 274KW00 III: U725QWY32X) E (UNII: 15FIX9V2J) FIED (UNII: 26860 UNSPECIFIED (UNI	ORAL ty redient Name 438 7TE) (Diltiazem - UNII:EE92BBP03 M8 7F357) M6 130) THACRYLATE COPOLYMER (2:1; 8H) 550 M) (2000)	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAC ETH POI SUC TAL TIT, GEL HYP	tive Ingredier iazem Hydrochlo ctive Ingredie ctive Ingredie ROSOFERRIC O C BLUE NO. 1 (U GNESIUM STEAR IVL ACRYLATE 2 YSORBATE 80 (VIDONE K30 (UN CROSE STEARAT C (UNII: 7SEV7J4 ANIUM DIO XIDE ATIN, UNSPECIE PROMELLOSE, U	nt/Active Moie Ing pride (UNII: OLH9) ents ents XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG8 III: U725QWY32X) E (UNII: 274KW00 III: U725QWY32X) E (UNII: 15FIX9V2J) FIED (UNII: 26860 UNSPECIFIED (UNI	ORAL ety redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 M87F357) M6130) THACRYLATE COPOLYMER (2:1; 3H) 250M) P) 2000 20	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MA(ETH POI SUC TAL TIT, GEL HYP MIC	tive Ingredier iazem Hydrochlo ctive Ingredier ctive Ingredie ROSOFERRIC O C BLUE NO. 1 (U GNESIUM STEAR IYL ACRYLATE Z YSORBATE 80 (VIDONE K30 (UN CROSE STEARAT C (UNII: 7SEV7J4 ANIUM DIO XIDE ATIN, UNSPECIE ROMELLOSE, U ROCRYSTALLIN	nt/Active Moie Ing pride (UNII: OLH9- ents 2XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG8 II: U725QWY32X) TE (UNII: 274KW00 III: U725QWY32X) TE (UNII: 15FIX9V2J) FIED (UNII: 2G86C UNSPECIFIED (UNII: 2G86C UNSPECIFIED (UNI	ORAL ety redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 M87F357) M6130) THACRYLATE COPOLYMER (2:1; 3H) 250M) P) 2000 20	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength
Rou Act Dilti Ina FER FD8 MAQ ETH POI SUC TAL TIT, GEL HYP MIC	tive Ingredier iazem Hydrochlo ctive Ingredie ctive Ingredie ROSOFERRIC O C BLUE NO. 1 (U GNESIUM STEAR IVL ACRYLATE 2 YSORBATE 80 (VIDONE K30 (UN CROSE STEARAT C (UNII: 7SEV7J4 ANIUM DIO XIDE ATIN, UNSPECIE PROMELLOSE, U	nt/Active Moie Ing pride (UNII: OLH9- ents 2XIDE (UNII: XM01 UNII: H3R47K3TBE RATE (UNII: 70097 AND METHYL MI (UNII: 60ZP39ZG8 II: U725QWY32X) TE (UNII: 274KW00 III: U725QWY32X) TE (UNII: 15FIX9V2J) FIED (UNII: 2G86C UNSPECIFIED (UNII: 2G86C UNSPECIFIED (UNI	ORAL ety redient Name 4387TE) (Diltiazem - UNII:EE92BBP03 M87F357) M6130) THACRYLATE COPOLYMER (2:1; 3H) 250M) P) 2000 20	H)		Basis of Diltiazem Hyd	Streng drochlorio	th	Strength 360 mg Strength

Color	BL	UE (Light blue, WHITE (white))	Score		no score	
Shape	e CA	PSULE	Size		23mm	
Flavor	r		Imprint C	Code	cardizem;0	CD;360;mg
Contai	ins					
Packa	aging					
# I1	tem Code	Package Descri	ption	Marketing Date		Marketing End Date
1 NDC 42	2:0187-0799-	90 in 1 BOTTLE, PLASTIC; Type 0: M Product	Not a Combination	04/11/2001		
	leating In	formation				
Mar	'keung m					
	eting Catego		nograph Citation M	Aarketing Star	t Date	Marketing End Date

Labeler - Bausch Health US LLC (831922468)

Establishment

Name	Address	ID/FEI	Business Operations
Bausch Health Companies Inc.		253292734	MANUFACTURE(0187-0799,0187-0795,0187-0796,0187-0797,0187-0798)

Revised: 4/2020

Bausch Health US LLC