

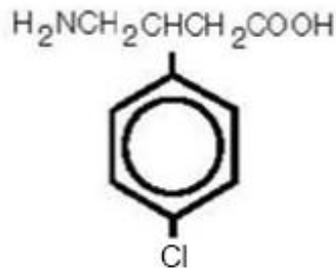
**BACLOFEN- baclofen tablet**  
**NCS HealthCare of KY, LLC dba Vanguard Labs**

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**BACLOFEN TABLETS USP**

**DESCRIPTION**

Baclofen is a muscle relaxant and antispastic.

Its chemical name is 4-amino-3-(4-chlorophenyl)-butanoic acid. The structural formula is:



$\text{C}_{10}\text{H}_{12}\text{ClNO}_2$  M.W. 213.66

Baclofen USP is a white to off-white, odorless or practically odorless crystalline powder. It is slightly soluble in water, very slightly soluble in methanol and insoluble in chloroform.

Each tablet, for oral administration, contains 10 mg or 20 mg baclofen. In addition, each tablet contains the following inactive ingredients: anhydrous lactose, colloidal silicon dioxide, dibasic calcium phosphate dihydrate, magnesium stearate, microcrystalline cellulose and sodium starch glycolate.

**CLINICAL PHARMACOLOGY**

The precise mechanism of action of baclofen is not fully known. Baclofen is capable of inhibiting both monosynaptic and polysynaptic reflexes at the spinal level, possibly by hyperpolarization of afferent terminals, although actions at supraspinal sites may also occur and contribute to its clinical effect. Although baclofen is an analog of the putative inhibitory neurotransmitter gamma-aminobutyric acid (GABA), there is no conclusive evidence that actions on GABA systems are involved in the production of its clinical effects. In studies with animals baclofen has been shown to have general CNS depressant properties as indicated by the production of sedation with tolerance, somnolence, ataxia, and respiratory and cardiovascular depression. Baclofen is rapidly and extensively absorbed and eliminated. Absorption may be dose-dependent, being reduced with increasing doses. Baclofen is excreted primarily by the kidney in unchanged form and there is relatively large intersubject variation in absorption and/or elimination.

## **INDICATIONS AND USAGE**

Baclofen is useful for the alleviation of signs and symptoms of spasticity resulting from multiple sclerosis, particularly for the relief of flexor spasms and concomitant pain, clonus, and muscular rigidity.

Patients should have reversible spasticity so that baclofen treatment will aid in restoring residual function. Baclofen may also be of some value in patients with spinal cord injuries and other spinal cord diseases.

Baclofen is not indicated in the treatment of skeletal muscle spasm resulting from rheumatic disorders. The efficacy of baclofen in stroke, cerebral palsy, and Parkinson's disease has not been established and, therefore, it is not recommended for these conditions.

## **CONTRAINDICATIONS**

Hypersensitivity to baclofen.

## **WARNINGS**

a. Abrupt Drug Withdrawal: Hallucinations and seizures have occurred on abrupt withdrawal of baclofen. Therefore, except for serious adverse reactions, the dose should be reduced slowly when the drug is discontinued.

b. Impaired Renal Function: Because baclofen is primarily excreted unchanged through the kidneys, it should be given with caution, and it may be necessary to reduce the dosage.

c. Stroke: Baclofen has not significantly benefited patients with stroke. These patients have also shown poor tolerability to the drug.

d. Pregnancy: Baclofen has been shown to increase the incidence of omphaloceles (ventral hernias) in fetuses of rats given approximately 13 times the maximum dose recommended for human use, at a dose which caused significant reductions in food intake and weight gain in dams. This abnormality was not seen in mice or rabbits.

There was also an increased incidence of incomplete sternebral ossification in fetuses of rats given approximately 13 times the maximum recommended human dose, and an increased incidence of unossified phalangeal nuclei of forelimbs and hindlimbs in fetuses of rabbits given approximately 7 times the maximum recommended human dose. In mice, no teratogenic effects were observed, although reductions in mean fetal weight with consequent delays in skeletal ossification were present when dams were given 17 and 34 times the human daily dose. There are no studies in pregnant women. Baclofen should be used during pregnancy only if the benefit clearly justifies the potential risk to the fetus.

## **PRECAUTIONS**

Because of the possibility of sedation, patients should be cautioned regarding the operation of automobiles or other dangerous machinery, and activities made hazardous

by decreased alertness. Patients should also be cautioned that the central nervous system effects of baclofen may be additive to those of alcohol and other CNS depressants.

Baclofen should be used with caution where spasticity is utilized to sustain upright posture and balance in locomotion or whenever spasticity is utilized to obtain increased function. In patients with epilepsy, the clinical state and electroencephalogram should be monitored at regular intervals, since deterioration in seizure control and EEG have been reported occasionally in patients taking baclofen.

It is not known whether this drug is excreted in human milk. As a general rule, nursing should not be undertaken while a patient is on a drug since many drugs are excreted in human milk.

A dose-related increase in incidence of ovarian cysts and a less marked increase in enlarged and/or hemorrhagic adrenal glands was observed in female rats treated chronically with baclofen.

Ovarian cysts have been found by palpation in about 4% of the multiple sclerosis patients that were treated with baclofen for up to one year. In most cases these cysts disappeared spontaneously while patients continued to receive the drug. Ovarian cysts are estimated to occur spontaneously in approximately 1% to 5% of the normal female population.

### **Pediatric Use**

Safety and effectiveness in pediatric patients below the age of 12 years have not been established.

### **ADVERSE REACTIONS**

The most common is transient drowsiness (10 to 63%). In one controlled study of 175 patients, transient drowsiness was observed in 63% of those receiving Baclofen compared to 36% of those in the placebo group. Other common adverse reactions are dizziness (5 to 15%), weakness (5 to 15%) and fatigue (2 to 4%).

Others reported:

Neuropsychiatric: Confusion (1 to 11%), headache (4 to 8%), insomnia (2 to 7%); and, rarely, euphoria, excitement, depression, hallucinations, paresthesia, muscle pain, tinnitus, slurred speech, coordination disorder, tremor, rigidity, dystonia, ataxia, blurred vision, nystagmus, strabismus, miosis, mydriasis, diplopia, dysarthria, epileptic seizure.

Cardiovascular: Hypotension (0 to 9%). Rare instances of dyspnea, palpitation, chest pain, syncope.

Gastrointestinal: Nausea (4 to 12%), constipation (2 to 6%); and rarely, dry mouth, anorexia, taste disorder, abdominal pain, vomiting, diarrhea, and positive test for occult blood in stool.

Genitourinary: Urinary frequency (2 to 6%); and rarely, enuresis, urinary retention, dysuria, impotence, inability to ejaculate, nocturia, hematuria.

Other: Instances of rash, pruritus, ankle edema, excessive perspiration, weight gain, nasal congestion. Some of the CNS and genitourinary symptoms may be related to the

underlying disease rather than to drug therapy. The following laboratory tests have been found to be abnormal in a few patients receiving baclofen: increased SGOT, elevated alkaline phosphatase, and elevation of blood sugar.

## **OVERDOSAGE**

Signs and Symptoms: Vomiting, muscular hypotonia, drowsiness, accommodation disorders, coma, respiratory depression and seizures.

Treatment: In the alert patient, empty the stomach promptly by induced emesis followed by lavage. In the obtunded patient, secure the airway with a cuffed endotracheal tube before beginning lavage (do not induce emesis). Maintain adequate respiratory exchange, do not use respiratory stimulants.

## **DOSAGE AND ADMINISTRATION**

The determination of optimal dosage requires individual titration. Start therapy at a low dosage and increase gradually until optimum effect is achieved (usually between 40-80 mg daily).

The following dosage titration schedule is suggested:

5 mg t.i.d. for 3 days

10 mg t.i.d. for 3 days

15 mg t.i.d. for 3 days

20 mg t.i.d. for 3 days

Thereafter additional increases may be necessary but the total daily dose should not exceed a maximum of 80 mg daily (20 mg q.i.d.).

The lowest dose compatible with an optimal response is recommended. If benefits are not evident after a reasonable trial period, patients should be slowly withdrawn from the drug (see **WARNINGS**, Abrupt Drug Withdrawal).

## **HOW SUPPLIED**

Baclofen Tablets USP, 10 mg are available as a white, round, flat-faced, beveled-edge tablet debossed with "4096" on one side and "TV" with a partial score on the other side, containing 10 mg Baclofen USP packaged in blistercards of 15, 30 and 31 tablets.

Baclofen Tablets USP, 20 mg are available as a white, round, flat-faced, beveled-edge tablet debossed with "4097" on one side and "TV" with a partial score on the other side, containing 20 mg Baclofen USP packaged in blistercards of 30 and 31 tablets.

PHARMACIST: Dispense in a well closed container as defined in the USP, with a child-resistant closure (as required).

Store at 20° to 25°C (68°to 77°F) [See USP Controlled Room Temperature].

Rev. A 5/2010

Manufactured In Croatia By:

PLIVA HRVATSKA d.o.o.

Zagreb, Croatia

Manufactured For:

TEVA PHARMACEUTICALS USA

Sellersville, PA 18960

### BACLOFEN TABLETS USP

## PRINCIPAL DISPLAY PANEL

Baclofen Tablets,

USP 10mg

VLI NDC 0615-3541-39  
**BACLOFEN TABLETS, USP**  
 10 mg  
 LOT 3541  
 EXP 11023-39  
 QTY 30  
 MFG BY PLIVA HRVATSKA for TEVA USA (NDC 0172-4096-80)  
 PKG BY VANGARD GLASGOW, KY 42141

(Mfg for Teva, NDC 0172-4096-80)

## Baclofen Tablets, USP 10 mg

	16	8
30	23	7
29	22	6
28	21	5
27	20	4
26	19	3
25	18	2
24	17	1

The overall configuration of this package is a trademark of Omnicare, Inc.

Received: \_\_\_\_\_

31	24	16	8
30	23	15	7
29	22	14	6
28	21	13	5
27	20	12	4
26	19	11	3
25	18	10	2
START DATE	START TIME		

STORE AT 20°-25°C (68°-77°F)  
 (SEE USP CONTROLLED ROOM TEMPERATURE)  
 Dispense in a well-closed container.

See Package Insert Binder for Dosage Information  
**FOR INSTITUTIONAL USE ONLY**

<p>       Pkg By Vanguard, Glasgow, KY 42141        BACLOFEN TABLET, USP 10 mg        LOT 3541     </p>	<p>       Pkg By Vanguard, Glasgow, KY 42141        BACLOFEN TABLET, USP 10 mg        LOT 3541     </p>	<p>       Pkg By Vanguard, Glasgow, KY 42141        BACLOFEN TABLET, USP 10 mg        LOT 3541     </p>	<p>       Pkg By Vanguard, Glasgow, KY 42141        BACLOFEN TABLET, USP 10 mg        LOT 3541     </p>
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## PRINCIPAL DISPLAY PANEL

Baclofen Tablets,

USP 20mg



VLI NDC 0615-3542-39  
**BACLOFEN**  
**TABLETS, USP**  
 20 mg



LOT  
 3542

EXP

017240978039

11061-39

Rx  
 Only

QTY  
 30

MFG BY PLIVA HRVATSKA  
 for TEVA USA  
 (NDC 0172-4097-80)  
 PKG BY VANGARD  
 GLASSBORO, NY 42141

(Mfg for Teva, NDC 0172-4097-80)

**Baclofen**  
**Tablets, USP**  
**20 mg**

Received: \_\_\_\_\_

24 _____	16 _____	8 _____
31 _____	23 _____	15 _____
20 _____	22 _____	14 _____
29 _____	21 _____	13 _____
28 _____	20 _____	12 _____
27 _____	19 _____	11 _____
26 _____	18 _____	10 _____
25 _____	17 _____	9 _____

START DATE \_\_\_\_\_ START TIME \_\_\_\_\_

STORE AT 20°-25°C (68°- 77°F)  
 (SEE USP CONTROLLED ROOM TEMPERATURE)  
 Dispense in a well-closed container.

See Package Insert Binder for Dosage Information  
 FOR INSTITUTIONAL USE ONLY

		16	8
30	23	15	7
29	22	14	6
28	21	13	5
27	20	12	4
26	19	11	3
25	18	10	2
24	17	9	1

<p>Fig Bx Vangard, Glasgow, NY 42141        BACLOFEN        TABLET, USP        20 mg        LOT 3542        0172409780</p>	<p>Fig Bx Vangard, Glasgow, NY 42141        BACLOFEN        TABLET, USP        20 mg        LOT 3542        0172409780</p>	<p>Fig Bx Vangard, Glasgow, NY 42141        BACLOFEN        TABLET, USP        20 mg        LOT 3542        0172409780</p>	<p>10648 Rev 00        Vangard U.S.A.        Glasgowa, NY 42141        0172409780</p>
<p>Fig Bx Vangard, Glasgow, NY 42141        BACLOFEN        TABLET, USP        20 mg        LOT 3542        0172409780</p>	<p>Fig Bx Vangard, Glasgow, NY 42141        BACLOFEN        TABLET, USP        20 mg        LOT 3542        0172409780</p>	<p>Fig Bx Vangard, Glasgow, NY 42141        BACLOFEN        TABLET, USP        20 mg        LOT 3542        0172409780</p>	<p>Fig Bx Vangard, Glasgow, NY 42141        BACLOFEN        TABLET, USP        20 mg        LOT 3542        0172409780</p>
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The overall configuration of this package is a trademark of Omnicare, Inc.

**BACLOFEN**

baclofen tablet

**Product Information**

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:0615-3541(NDC:0172-4096)
<b>Route of Administration</b>	ORAL		

**Active Ingredient/Active Moiety**

Ingredient Name	Basis of Strength	Strength
<b>BACLOFEN</b> (UNII: H789N3FKE8) (BACLOFEN - UNII:H789N3FKE8)	BACLOFEN	10 mg

**Inactive Ingredients**

Ingredient Name	Strength
<b>ANHYDROUS LACTOSE</b> (UNII: 3SY5LH9PMK)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>CALCIUM PHOSPHATE, DIBASIC, DIHYDRATE</b> (UNII: O7TSZ97GEP)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	

<b>CELLULOSE, MICROCRYSTALLINE</b> (UNII: OP1R32D61U)	
<b>SODIUM STARCH GLYCOLATE TYPE A POTATO</b> (UNII: 5856J3G2A2)	

### Product Characteristics

<b>Color</b>	white (white to off white)	<b>Score</b>	2 pieces
<b>Shape</b>	ROUND	<b>Size</b>	9mm
<b>Flavor</b>		<b>Imprint Code</b>	4096;TV
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0615-3541-31	31 in 1 BLISTER PACK; Type 0: Not a Combination Product	07/15/2010	07/31/2016
2	NDC:0615-3541-39	30 in 1 BLISTER PACK; Type 0: Not a Combination Product	07/15/2010	07/31/2023
3	NDC:0615-3541-05	15 in 1 BLISTER PACK; Type 0: Not a Combination Product	08/26/2015	07/31/2023

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA072234	07/15/2010	07/31/2023

## BACLOFEN

baclofen tablet

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:0615-3542(NDC:0172-4097)
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>BACLOFEN</b> (UNII: H789N3FKE8) (BACLOFEN - UNII:H789N3FKE8)	BACLOFEN	20 mg

### Inactive Ingredients

Ingredient Name	Strength
<b>ANHYDROUS LACTOSE</b> (UNII: 3SY5LH9PMK)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>CALCIUM PHOSPHATE, DIBASIC, DIHYDRATE</b> (UNII: O7TSZ97GEP)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	

<b>CELLULOSE, MICROCRYSTALLINE</b> (UNII: OP1R32D61U)	
<b>SODIUM STARCH GLYCOLATE TYPE A POTATO</b> (UNII: 5856J3G2A2)	

### Product Characteristics

<b>Color</b>	white (white to off white)	<b>Score</b>	2 pieces
<b>Shape</b>	ROUND	<b>Size</b>	11mm
<b>Flavor</b>		<b>Imprint Code</b>	4097;TV
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:0615-3542-39	30 in 1 BLISTER PACK; Type 0: Not a Combination Product	07/15/2010	07/31/2023
2	NDC:0615-3542-31	31 in 1 BLISTER PACK; Type 0: Not a Combination Product	07/15/2010	01/31/2016

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA072235	07/15/2010	07/31/2023

### Labeler - NCS HealthCare of KY, LLC dba Vanguard Labs (050052943)

### Establishment

Name	Address	ID/FEI	Business Operations
NCS HealthCare of KY, LLC dba Vanguard Labs		050052943	repack(0615-3541, 0615-3542)

Revised: 9/2015

NCS HealthCare of KY, LLC dba Vanguard Labs