

B only

BACTRIM™ brand of sulfamethoxazole and trimethoprim DS (double strength) TABLETS and TABLETS, USP

thoxazole and trimethoprim) is a syn-l combination product available in DS tablets, each containing 800 mg sui-160 mg trimethoprim; in tablets, each suffamethoxazole and 80 mg trimetho-nistration.

Trimethoprim is 2,4-diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine; the molecular formula is $C_14H_18N_4O_3$. It is a white to light yellow, odorless, bitter compound with a molecular weight of 290.3. It has the following structural formula:

Inactive ingredients: Docusale sodium 85%, sodium benzonte 15%, sodium starch glycolate, magn CLINICAL PHARMACOLOGY
BACTRIM is rapidly absorbed following oral care: 1

excretion pattern of the other.

Both sulfamethoxazole and trimethoprim distribute to sputum, vaginal fluid and middle are fluid; trimethoprim also distributes to bronchial accretion, and both pass the placental barrier and are excreted in human milk. Studied in 8 geriatric subjects (mean age: 78.6 years) and 6 young healthy subjects (mean age: 29.3 years) using a nor-US approved formulation. Pharmacokinetic values for sulfamethoxazole in granter subjects (mean age: 29.3 years) similar to the observed in young adult subjects. The mean renal clearance of trimethoprim was significantly normalizing by to subject a compared with young adult subjects (19 mL/h/kg) +Moword, after geriatric subjects compared with young adult subjects (19 mL/h/kg) +Moword, after geriatric subjects compared with young adult subjects.)

atric subjects compared with young adult subjects," or robology or robology or robology methoxazole inhibits bacterial synthesis of dihydrofolic acid by competing with para-aminobenzoic acid (PABA), equired enzyme, dihydrofolar reductase. Thus, said from dihydrofolic acid by binding to and reversibly inhibiting elegated enzyme, dihydrofolar reductase. Thus, sulfamethoxazole and timethoprim blocks two consecutive steps in for studies have shown that bacterial resistance develops more stowly with both sulfamethoxazole and intending in a compared to the sulfamethoxazole and intending in the sulfamethoxazole and intending in a compared to the sulfamethoxazole and intending in a compared to the sulfamethoxazole and intending in a compared to the sulfamethoxazole and intending in the sulfamethoxazole and intending in the sulfamethoxazole and timethoprim have been shown to be active against most strains of the following microorams. But in vitro and in clinical infections as described in the INDICATIONS AND USAGE section. Bloc gram-positive microorganisms:

ROCOCCUS pneumoniae
Dictional Configurations
Biococcus pneumoniae
**

Other Organisms:

Susceptibility Testing Methods:

Orantilative methods are used to determine antimicrobial minimum inhibitory concentrations (MICs). These MICs provide estimates of the susceptibility of bacteria to antimicrobial compounds. The MICs should be determined using a standardized procedure a Standardized procedures are based on a dilution method* (broth or agar) or equivalent with standardized inoculum concentrations and standardized concentrations of suif-damethoxacole/trimiethoprim powder. The MIC values should be interpreted according to the following criteria:

MIC (µg/mL) interpretation s2738 Susceptible (S) 4476 Aeaistant (R)
When testing either Haemophilus influenzae* or Streptococcus pneumoniae*:

MIC (µg/mL) ≤0.5/9.5 1/19-2/38 ×4/76 Interpretation^b
Susceptible (S)
Intermediate (I)
Resistant (R)

a. These interpretative standards are applicable only to broth microdillution susceptibility tests with Haemophilus influenzae using Haemophilus Test Medium (HTM)⁴.

influenzae using Haemophilus Test Medium (HTM)⁴.

b. These interpretative standards are applicable only to broth microdilution susceptibility tests using cation-adjusted Mueller-Hinton broth with 2% to 5% lysed horse blood⁴.

A report of "Susceptible" indicated that the pathogen is likely to be inhibited if the antimicrobial compound in the blood reaches the concentrations usually achievable. A report of "Intermediate" indicates that the result should be considered equivocal, and, if the microorganism is not frilly susceptible to alternative, clinically feable drugs, the test should be repeated. This category implies possible clinical applicability in body sites where the drug is physiologically concentrated or in situations where high dosage of drug can be used. This category also provides a buffer zone which prevents small uncontrolled technical factors from causing major discrepancies in interpretation. A report of "Resistant" indicates that the pathogen is not likely to be inhibited if the antimicrobial Cauality Control

Standardized susceptibility test procedures require the use of laboratory control microorganisms to control the technical aspects of the laboratory procedures. Standard sulfamethoxazole/trimethoprim powder should provide the following range of values:

Microorganism MIC (μg/mL) ±0.5/9.5 0.03/0.59 - 0.25/4.75 0.12/2.4 -- 1/19 Escherichia coli Haemophilus influenzae^c Streptococcus pneumoniae^d

c. This quality control range is applicable only to Haemophilus influenzae ATCC 49247 tested by broth microdilution procedure using Haemophilus Test Medium (HTM)⁴.
d. This quality control range is applicable to tests performed by the broth microdilution method only using cation-adjusted Mueller-Hinton broth with 2% to 5% lysed horse blood⁴.

Diffusion rechniques:

Quantitative methods that require measurement of zone diameters also provide reproducible estimates of the susceptibility of bacteria to antimicrobial compounds. One such standardized procedure* requires the use of standardized incolution concentrations. This procedure uses paper disks impregnated with 1.25/23.75 µg of sulfamethoxazole/trimethoprim to test the susceptibility of microorganisms to sulfamethoxazole/trimethoprim to test the susceptibility of microorganisms to sulfamethoxazole/trimethoprim disk should be interpreted according to the following criteria:

For testing either Enterobacteriaceae or Haemophilus Influenzae*:

Zone Diameter (mm) Interpretation Susceptible (S) Intermediate (I) Resistant (R) ≥16 11 - 15 ≤10

e. These zone diameter standards are applicable only for disk diffusion testing with Haemophilus influenzae and Haemophilus Test Medium (HTM)⁵.

When testing Streptococcus pneumoniae!:

Interpretation Susceptible (S) Intermediate (I) Resistant (R) Zone Diameter (mm) ≥19 16 - 18 ≤15

f. These zone diameter interpretative standards are applicable only to tests performed using Mueller-Hinton ager supplemented with 5% defibrinated sheep blood when incubated in 5% CO₂5. Interpretation should be as stated above for results using dilution techniques. Interpretation involves correlation of the diameter obtained in the disk test with the MIC for sulfamethroxazole/trimsthoprim.

As with standardized dilution techniques, diffusion methods require the use of laboratory control microorganisms that are used to control the technical aspects of the laboratory procedures. For the diffusion technique, the 1.25/23.75 up sulfamethoxacale/trimethoprim disk* should provide the following zone diameters in these laboratory test quality control strains:

Zone Diameter Ranges (mm) 24-32 24-32 20-28 Microorganism Escherichia coli

ATCC 25922 ATCC 49247 ATCC 49619 Haemophilus influenzaes Streptococcus pneumoniaeh

- "Mueller-Hinton agar should be checked for excessive levels of thymidine or thymine. To determine whether Mueller-Hinton medium has sufficiently low levels of thymidine and thymine, an Enterococus faecalis (ATCC 3218) may be tested with sulfamethoxazole/trimethoprim disks. A zone of inhibition ×20 mm that is essentially free of fine colonies indicates a sufficiently low level of thymidine and thymine.
- g. This quality control range is applicable only to Haemophilus influenzae ATCC 49247 tested by a disk diffusion procedure using Haemophilus Test Medium (HTM)⁵.
- h. This quality control range is applicable only to tests performed by disk diffusion using Mueller-Hinton agar supplemented with 5% defibrinated sheep blood when incubated in 5% CO₂⁵. INDICATIONS AND USAGE

INDICATIONS AND USAGE

Uninary Tract infections: For the treatment of uninary tract infections due to susceptible strains of the following organisms: Escherichia coli, Klebsiella species, Enterobacter species, Morganella morganii, Proteus minabilis and Proteus vulgaris. Il is recommended that initial episodes of uncomplicated uninary tract infections be treatment of Arten Vitalia effective antibacterial agent rather than the combination.

Acute Ottis Media: For the treatment of acute ottis media in pediatric patients due to susceptible attains of Streptococcus pneumoniae or Haemophilus influenzae when in the judgment of the physician sulfamethoxacole and trimethoprim offers some advantage over the use of other antimicrobial agents. To date, there are limited data on the safety of repeated use of BACTRIM in pediatric patients under two years of age. BACTRIM is not indicated for prophylactic or prolonged administration in ottis media at any age.

Acute Exacerbations of Chronic Bronchills in Adults: For the treatment of acute exacerbations of chronic bronchills del outsucceptible strains of Streptococcus pneumonies or Haemophilus influenzae when in the judgment of the physician BACTRIM offers some advantage over the use of a single antimicrobial agent.

Shigellosis: For the treatment of enteritis caused by susceptible strains of Shigella flexneri and Shigella sonnei when antibacterial therapy is indicated.

Pneumocystis Carinii Pneumonia: For the treatment of documented Pneumocystis carinii pneumonia and for prophylaxis against Pneumocystis carinii pneumonia in individuals who are immunosuppressed and considered to be at an increased risk of developing Pneumocystis carinii pneumonia.

Traveler's Diarrhea in Adults: For the treatment of traveler's diarrhea due to susceptible strains of enterotoxi-genic E. coli.

CONTRAINDICATIONS

ECONTRAINDICATIONS

BACTFIM is contraindicated in patients with a known hypersensitivity to trimethoprim or sulfonamides and in patients with documented megaloblastic anemia due to folate deficiency. BACTRIM is also contraindicated in pregnant patients and nursing mothers, because sulfonamides pass the placental and are excreted in the like and may cause kernicterus. BACTRIM is contraindicated in pediatric patients less than 2 months of age. BACTRIM is also contraindicated in patients with marked hepatic damage or with severe renal insufficiency when renal function status cannot be inonitored.

WARDINGS
FATALITIES ASSOCIATED WITH THE ADMINISTRATION OF SULFONAMIDES, ALTHOUGH RARE, HAVE
OCCURRED DUE TO SEVERE REACTIONS, INCLUDING STEVENS-JOHNSON SYNDROME, TOXIC EPIOFRMAL NECOLYSIS, FULMINANT HEPATIC NECROSIS, AGRANULOCYTOSIS, APLASTIC ANEMIA AND
OTHER BLOOD DYSCRASIAS.

OTHER BLOOD DYSCRASIAS.
SULFONAMIDES, INCLUDING SULFONAMIDE-CONTAINING PRODUCTS SUCH AS SULFAMENTADA.
ZOLETRIMETHOPRIM, SHOULD BE DISCONTINUED AT THE FIRST APPEARANCE OF SKIN RASH OR ANY
SIGN OF ADVERSE RIACTION. In rare instances, a skin rash may be followed by a more severe reaction, such
PRECAUTIONS). Clinical signs, such as rash, sorie throat, fever, arthralgia, pallor, purpura or jaundice may be
carry indications of serious reactions.

early indications of serious reactions.

Cough, shortness of breath, and pulmonary infiltrates are hypersensitivity reactions of the respiratory tract that have been reported in association with sulfonamide treatment.

The sulfonamides should not be used for treatment of group A β-hismolytic streptococcal infections, in an eastabilished infection, they will not eradicate the streptococcus and, therefore, will not prevent sequelae such

as maumatic fever.

Pseudomembranous colitis has been reported with nearly all antibacterial agents, including suifamethoxacole/trimethoprim, and may range in severity from mild to life-threatening. Therefore, it is
important to consider this diagnosis in patients who present with diarrhea subsequent to the adminiaTreatment with antibacterial agents. Treatment with antibacterial agents. Studies indicate that a toxin produced by Clostridium difficile is one primary cause of 'antibiotic-associated
colitis.

After the diagnosis of pseudomembranous colitis has been established, therapeutic measures should be initiated. Mild cases of pseudomembranous colitis usually respond to drug discontinuation alone. In moderate to severe cases, ornsideration should be given to management with fluids and electrolytes, protein supplementation, and treatment with fluids and electrolytes, protein supplementation, and treatment

with an anti-bacterial drug effective against C. difficile.

PRECAUTIONS

General: BACTRIM should be given with caution to patients with impaired renal or hepatic function, to those with possible folate deficiency (e.g., the elderly, chronic alcoholics, patients receiving anticonvulsant therapy, patients with malabsorption syndrome, and patients in malaurities rates) and to those with severe allergies or bronchial astima. In glucose-6-phosphate dehydrogenase deficient divides, hemolysis may occur. This reaction is frequently dose-related, (see CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION).

Cases of hypoglycemia in non-diabetic patients treated with BACTRIM are seen rarely, usually occurring after a few days of therapy. Patients with renal dysfunction, liver disease, mainutrition or those receiving high doses of BACTRIM are particularly at risk.

Hematological changes indicative of folic acid delicency may occur in elderly patients or in patients with preexisting folic acid deficiency or kidney failure. These effects are reversible by folinic acid therapy.

Trimethoprim has been noted to impair henylalanine metabolism but this is of no significance in phenylke-tonuric patients on appropriate dietary restriction.

Use In the Treatment of and Prophylaxis for Pneumocystis Carinti Pneumonis in Patients with Acquired manner as non-AIDS patients of ADP prophylaxis for Pneumocystis Carinti Pneumonis In Patients with Acquired manner as non-AIDS patients. The incidence of side effects, particularly rash, lever, leukopein and elevated for mally associated with the use of BACTRIM therapy in AIDS patients who are being treated for mally associated with the use of BACTRIM in the reversible increased compared with the same aminotransferase (transmitts. The incidence of side effects, particularly rash, lever, leukopein and elevated for prophylaxis. A history of the open reported to be greatly increased compared with the same aminotransferase (transmitts. The incidence of hyperkalemia appears to be increased of patients

slow acetylators' may be more prone to idiosyncratic reactions to sulfonamides.

Information for Patients: Patients should be instructed to maintain an adequate fluid intake in order to pre-vent crystalluria and stone formation.

Laboratory Tests: Complete blood counts should be done frequently in batients receiving BACTRIM: if a significant reduction in the count of any formed blood element is noted, BACTRIM should be discontinued. Urinaryses with careful microscopic examination and renal function tests should be performed during therapy.

particularly for those patients with impaired renal function.

Drug Interactions: In elderly patients concurrently receiving certain diurelics, primarily thiazides, an increased incidence of thrombocytopenia with purpura has been reported.

It has been reported that BACTRIM may prolong the prothrombin time in patients who are receiving the anti-coagulant warrain. This interaction should be kept in mind when BACTRIM is given to patients already on anti-coagulant therapy, and the coagulation time should be reassessed.

BACTRIM may inhibit the hepatic matabolism of phenytoin, BACTRIM, given at a common clinical dosage, increased the phenytoin half-life by 39% and decreased the phenytoin matabolic clearance rate by 27%. When administering these drugs concurrently, one should be alret for possible excessive phenytoin effect.

Sulfonanides can also displace methotrexate from plasma protein binding sites and can compete with the renal transport of methotrexate, thus increasing free methotrexate concentrations.

There have been reports of marked but reversible nephrotoxicity with coadministration of BACTRIM and

transport of memotraxiae, inits increasing free memotraxiae concentrations.

There have been reports of marked but reversible nephrotoxicity with coadministration of BACTRIM and cyclosporine in renal transplant recipients.

increased digoxin blood levels can occur with concomitant BACTRIM therapy, especially in elderly patients. Serum digoxin levels should be monitored.

Serum digoxin levels should be monitored.

Serum digoxin levels should be monitored.

Increased sulfamethoxazole blood levels may occur in patients who are receiving indomethacin.

Occasional reports suggest that patients receiving pyrimethamine as malaria prophylaxis in doses exceeding 25 mg weekly may develop megaloblastic anemia if BACTRIM is prescribed.

The efficacy of tricyclic antidepressants can decrease when coadministered with BACTRIM.

Like other sulfonamide-containing drugs, BACTRIM potentiates the effect of oral hypoglycemics. In the literature, a single case of toxic delirium has been reported after concomitant intake of trimethoprim/sulfamethoxazole and amaniadine.

Drug/Laboratory Test Interactions: BACTRIM, specifically the trimethoprim component, can interfere with a serum methotrexate assay as determined by the competitive binding protein technique (CBPA) when a bacterial dihydra ardioimmunoassay (RIA).

The presence of sulfamethoxazole and trimethoprim may also interfere with the Jaffé alkaline picrate reaction assay for creatinine, resulting in overestimations of about 10% in the range of normal values.

Carcinogenesis, Mutagenesis, Impatigment of Fertility:

Carcinogenesis. Long-term studies in animals to evaluate carcinogenic potential have not been conducted with

Carcinogenesis: Long-term studies in animals to evaluate carcinogenic potential have not been conducted with BACTRIM.

BACTRIM.

Mulagenesis: Bacterial mutagenic studies have not been performed with sulfamethoxazole and trimethoprim in combination. Trimethoprim was demonstrated to be nonmutagenic in the Arines assay. No chromosomal damage was observed in human leukocytes in vitro with sulfamethoxazole and trimethoprim intone or in combination; the concentrations used exceeded blood levels of these compounds following therapy with sulfamethoxazole and trimethoprim. Observations of leukocytes obtained from patients treated with sulfamethoxazole and trimethoprim contromosomal abnormalities.

revealed no chromosomal abnormalities.

Impairment of Farility: No adverse effects on fertility or general reproductive performance were observed in rats given oral dosages as high as 350 mg/kg/day sulfamethoxazole plus 70 mg/kg/day trimethoprim.

Frepnancy: Teratogenic Effects: Pregnancy Category C. In rats, oral doses of 533 mg/kg or 200 mg/kg produced teratologic effects manifested mainly as cleft plaites.

The highest dose which did not cause cleft plaites in rats was 512 mg/kg or 192 mg/kg trimethoprim when administered separately. In two studies in rats, no teratology was observed when [512 mg/kg of sulfamethoxazole was used in combination with 128 mg/kg of trimethoprim. In one study, however, cleft palates were observed in one litter out of 9 when 355 mg/kg of sulfamethoxazole was used in combination with 88 mg/kg of trimethoprim.

In some rabbit studies, an overall increase in fetal loss (dead and resorbed and malformed conceptuses) was associated with doses of trimethoprim 6 times the human therapeutic dose.

While there are no large, well-controlled studies on the use of sulfamethoxazole and trimethoprim in pregnant women. Brumfitt and Pursell, 7 in a retrospective study, reported the outcome of 186 pregnancies during which the mother received either placebo or sulfamethoxazole and trimethoprim. The incidence of congenital abnormalities was 4.5% (3 of 66) in those who received placebo and 3.3% (4 of 120) in those receiving alternative azole and trimethoprim. The received either the received placebo and 3.3% (4 of 120) in those receiving distributions as the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those receiving distributions are considered to the received placebo and 3.3% (4 of 120) in those received distributions are considered to the received placebo and 3.3% (4 of 120) in those received distributions are considered to the received placebo and 3.3% (4 of 120) in those received are considered to the received placebo and 3.3% (4 of 120) in those received are considered to the received placebo and 3.3% (4 of 120) in those received are considered to the received placebo and 3.3% (4 of 120) in those received are considered to the received placebo and 3.3% (4 of 120) in those received are considered to the received placebo and 3.3% (4 of 120) in those received are considered to the received place

tnereaurer.

Bocause sulfamethoxazole and trimethoprim may interfere with folic acid metabolism, BACTRIM should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nonteratogenic Effects: See CONTRAINDICATIONS section.

Nursing Mothers: See CONTRAINDICATIONS section.

Padiatric Use: BACTRIM is not recommended for infants younger than 2 months of age (see INDICATIONS
and CONTRAINDICATIONS sections).

In the literature, two cases of Hyperkalemia in elderly patients have been reported after concomitant intake of trimethoprim/sulfamethoxazole and an angiotensin converting enzyme inhibitor.

Geriatric Use: Clinical studies of BACTRIM did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects.

There may be an increased risk of severe adverse reactions in elderly patients, particularly when complicating conditions exist, e.g., impriared kidney and/or liver function, possible foliate deficiency, or concomitant use of other drugs. Severe skin reactions, generalized bone marrow suppression (see WARNIMOS and ADVERSE ERACTIONS sections), are a specific decrease in platelets (with or without purpura) are the most frequently thiazides, an increased incidence of thrombocytopania with purport concurrently receiving certain disrettes, primarily thiazides, an increased incidence of thrombocytopania with purport concurrently receiving certain disrettes, primarily thiazides, an increased incidence of thrombocytopania with purports. Several dispose the properties of the properties o

Pharmacokinelis or ing to to finct) or sodium per tablet.

Pharmacokinelis parameters for sulfamethoxazole were similar for geriatric subjects and younger adult subjects. The mean maximum serum trimethoprim concentration was higher and mean renal clearance of trimethoprim was lower in geriatric subjects compared with younger subjects (see CLINICAL PHARMACOLOGY: Geriatric Pharmacokinetics).

AVERSE REACTIONS

ADVERSE REACTIONS

The most common adverse effects are gastrointestinal disturbances (nausea, vomiting, anorexia) and allergic skin reactions (such as rash and urticaria). FATALITIES ASSOCIATED WITH THE ADMINISTRATION OF SULFONAMIDES, ALTHOUGH RARE, HAVE OCCURRED DUE TO SEVERE REACTIONS, INCLUDING STEVENS-JOHNSON SYNDROME, TOXIC EPIDERMAL NECROLYSIS, FULMINANT HEPATIC NECROSIS, AGRANULOCYTOSIS, APLASTIC ANEMIA AND OTHER BLOOD DYSCRASIAS (SEE WARNINGS SECTION). Hematologic: Agranulocytosis, aplastic anemia, hyporothrombiemeim, methemoglobinemia, cosinophilia. Allergic Reactions: Stevens-Johnson syndrome, (toxic epidermal necrolysis, anaphylaxis, allergic myocarditions, evidence and the syndrome, generalized allergic reactions, generalized skin eruptions, photosensitivity, conjunctual and soleral injection, purutus, urticaria and rash. In addition, periarteritis nodosa and systemic lugus erythema mutanis. Hepatitis (including cholestatic jaundice and hepatic necrosis), elevation of serum transami-

Castrointestinal: Hepatitis (including cholestatic jaundice and hepatic necrosis), elevation of serum transaminase and bilirubin, pseudomembranous enterocolitis, pancreatitis, stomatitis, glossitis, nausea, emesis, abdominal pain, diarrhea, anorexia.

inal pain, clatrinea, anorexia, Genitourinary, Renal faliure, interstitial nephritis, BUN and serum creatinine elevation, toxic nephrosis with oliguria and anuria, crystalluria and nephrotoxicity in association with cyclosporine.

Metabolic and Nutritional: Hyperkalenia (see PRECAUTIONS: Use in the Treatment of and Prophylexis for Pneumocystis Carinii Pneumonia in Patients with Acquired Immunodeficiency Syndrome (AIDS).

Neurologic Assplic meningitis, convulsions, peripheral neuritis, ataxia, vertigo, tinnitus, headanes (AIDS). Neurologic: Assplic meningitis, convulsions, peripheral neuritis, ataxia, vertigo, tinnitus, headanes. Psychietric: Hallucinations, depression, apathy, nervousness. Endocrine: The sulfonamides bear certain chemical similarise to some goitrogens, diuretics (acetazolamide and the thiazides) and oral hypoglycemic agents. Cross-sensitivity may exist with these agents. Diuresis and hypoglycemia have occurred rarely in patients receiving sulfonamides. Musculoskeletal: Arthraigia and myalgia. Isolated cases of rhabdomyolysis have been reported with BACTRIM, mainly in AIDS patients.

Mesopiratory: Cough, shortness of breath and pulmonary inflitrates (see WARNINGS).

Miscellaneous: Weakness, fatigue, insomnia.

OVERDOSAGE

OVERDOSAGE

Acute: The amount of a single dose of BACTRIM that is either associated with symptoms of overdosage or is likely to be life-threatening has not been reported. Signs and symptoms of overdosage reported with sulfonamides include anorexia, colic, nausea, vomiting, dizziness, headache, drowsiness and unconsciousness. Pyroxia, hemaluria and crystalluria may be noted. Blood dyscrasias and jaundice are potential late manifestations of overdosage. Signs of acute overdosage with trimethoprim include nausea, vomiting, dizziness, headache, mental depression, confusion and bone marrow depression.

General principles of treatment include the institution of gastric lavage or emesis, forcing oral fluids, and the administration of intravenous fluids if urine output is low and renal function is normal, Acidification of the urine will increase renal elimination of trimethoprim. The patient should be monitored with blood counts and appre-

priate blood chemistries, including electrolytes. If a significant blood dyscrasia or jaundice occurs, specific therapy should be instituted for these complications. Peritoneal dialysis is not effective and hemodialysis is only moderately effective in eliminating sulfamethoxaccole and trimethoprim.

only moderately effective in eliminating sulfamethoxazole and trimethoprim.

Chronic: Use of BACTRIM at high doses and/or for extended periods of time may cause bone marrow depression manifested as thrombody/openia, leukopenia and/or megaloblastic anemia. If signs of bone marrow depression occur, the patient should be given leucovorin 5 to 15 mg daily until normal hematopolesis is restored.

DOBAGE AND ADMINISTRATION

Not recommended for use in pediatric patients less than 2 months of age.

Urinary Tract Infections and Shigellosis in Adults and Pediatric Patients, and Acute Otitis Medie in Children:

Adults: The usual adult dosage in the treatment of urinary tract infections in 1 BACTRIM big (double strength) tablet, 2 BACTRIM tablets every 12 hours for 10 to 14 days. An identical daily dosage is used for 5 days in the treatment of shigellosis.

the treatment of single-losis.

Children: The recommended dose for children with urinary tract infections or acute otitis media is 40 mg/kg sulfamethoxazole and 6 mg/kg trimethoprim per 24 hours, given in two divided doses every 12 hours for 10 days. An identical daily dosage is used for 5 days in the treatment of shigellosis. The following table is a guide-line for the attainment of this dosage:

Children 2 months of age or older:				
Weight		Doseevery 12 hours		
lb 22	kg	Tablets		
22	10	-		
44	20	1		
66	30	1 1/2		
88	40	2 or 1 DS tablet		

For Patients with impaired Renal Function: When renal function is impaired, a reduced dosage should be employed using the following table:

Creatinine	Recommended
Clearance (mL/min)	Dosage Regimen
Above 30	Usual standard regimen
15-30	1/2 the usual regimen
Below 15	Use not recommended

Acute Exacerbations of Chronic Bronchitis in Adults:

The usual adult dosage in the treatment of acute exacerbations of chronic bronchitis is 1 BACTRIM DS (double strength) tablet, 2 BACTRIM tablets every 12 hours for 14 days.

Presumocystis Carinii Pneumonia:

Treatment: Adults and Children:

Treatment. Name and Comment.

The recommended dosage for patients with documented Pneumocystis carinii pneumonia is 75 to 100 mg/kg sulfamethoxazole and 15 to 20 mg/kg trimethoprim per 24 hours given in equality divided doses every 6 hours for 14 to 21 days. 8 The following table is a guideline for the upper limit of this dosage.

Weight		Doseevery 6 hours
lb	kg	Tablets
18	8	-
35	16	1
53	24	1 1/2
70	32	2 or 1 DS tablet
88	40	2 1/2
106	48	3 or 1 1/2 DS tablets
141	64	4 or 2 DS tablets
170	80	5 or 2 1/2 DS tablets

For the lower limit dose (75 mg/kg sulfamethoxazole and 15 mg/kg trimethoprim per 24 hours) administer 75% of the dose in the above table.

Prophylaxis:

The recommended dosage for prophylaxis in adults is 1 BACTRIM DS (double strength) tablet daily.9

For children, the recommended dose is 750 mg/m²/day sulfamethoxazole with 150 mg/m²/day trimethoprim given orally in equally divided doses twice a day, on 3 consecutive days per week. The total daily dose should not exceed 1600 mg sulfamethoxazole and 320 mg trimethoprim.9 The following table is a guideline for the attainment of this dosage in children:

Body Surface Area	Doseevery 12 hours
(m²)	Tablets
0.26	-
0.53	1/2
1.06	1

-, and hyperkalemia

, such as angiotensin converting enzyme inhibitors. Traveler's Diarrhes in Adults:

Traveler's Diarrinea in Adults:

For the treatment of traveler's diarrinea, the usual adult dosage is 1 BACTRIM DS (double strength) tablet; 2 BACTRIM tablets every 12 hours for 5 days.

HOW SUPPLIED

BACTRIM' TABLETS are supplied as follows:

BACTRIM™ TABLETS are supplied as follows:

BACTRIM™ DS (double strength) TABLETS (white, oval shaped, scored) containing 160 mg trimethoprim and 300 mg sulfamethoxazole – bottlee of 100 (NDC 64248-117-10) and 500 (NDC 64248-117-10), Imprint on tablets BACTRIM™ TABLETS (white, round, scored) containing 80 mg trimethoprim and 400 mg sulfamethoxazole – Store at controlled room temperature 15*-30*C (58*-86*F).

Store at controlled room temperature 15*-30*C (58*-86*F).

DISPENSE IN TIGHT, LIGHT-RESISTANT CONTAINER.

Siore at controlled room temperature 15-30-0 (us 100.7).

Siore at controlled room temperature 15-30-0 (us 100.7).

DISPENSE IN TIGHT, LIGHT-RESISTANT CONTAINER.

REFERENCES:

1. Kremers P, Duvivier J, Heusghern C, Pharmacokinetic Studies of Co-Trimoxazole in Man after Single and Repeated Obass. J Clin Pharmacol. Feb-Mar 1974; 14:112-117

2. Kaplan SA, et al. Pharmacokinetic Profile of Trimethoprim-Sulfamethoxazole in Man. J Infect Dis. Nov 1973; 18 (Suppl): 5347-5551

2. Kaplan SA, et al. Pharmacokinetics of the trimethoprim-sulfamethoxazole combination in the elderly Br J Clin Pharmacol. 10 (Suppl): 535-551

3. National Committee of Clinical Laboratory Standards. Methods for Dilution Antinicrobial Susceptibility Tests. 5. National Committee for Clinical Laboratory Standards. Methods for Dilution Antinicrobial Susceptibility Tests. Approved Standard - Fourth Edition. NCCLS document M7-A4, Vol.17 No. 2. NCCLS. Wayne, PA. January, 1997.

3. National Committee for Clinical Laboratory Standards. Performance Standards for Antinicrobial Disk Susceptibility Tests. Approved Standard - Sixth Edition. NCCLS Document M2-A6, Vol.17, No.1, NCCLS. Mayne, PA. January, 1997.

3. Hardy DW, et al. A controlled trial of trimethoprim-sulfamethoxazole or aerosolized pentamidine for secondary prophylaxis of Pneumocystis carinii pneumonia in patienta with the acquired immunodeficiency syndrome. N Engl J Med. 1992; 327:1842-1848.

3. Hardy DW, et al. Recomply: Septimento of Pneumocystis pneumonia. N Engl J Med. 1992; 327:1853-1800.

3. Hardy DW, et al. Prevention and treatment of Pneumocystis pneumonia. N Engl J Med. 1992; 327:1853-1800.

3. Hardy DW, et al. Prevention and treatment of Pneumocystis carinii pneumonia for children infected with human immunodeficiency virus. MMWR. 1992; 418R-41:-11.

Manufactured for:
WOMEN FIRST HEALTHCARE, INC.
San Diego, CA 92130

WWW.momenfirst.com
by:
MUTUAL PHARMACEUTICAL COMPANY, INC.
Philadelphia, PA 19124

BA-02-04-1 2 Revised: 1-17-20020n date