

# TOTAL BAC-T

**Ingredients:** Liquid Herbal Tincture: 35% Cat's Claw Extract, 30% Olive Leaf Extract, 20% Astragalus, 15% Red Clover Extract.

**Supportive Function:** Synergistic herbs combine to support normal bacterial populations and a healthy immune system.

**When is Total Bac-T helpful?** Bacterial overgrowth; weakened immune systems.

**Clinical Applications/Research: Cat's Claw Extract** is from an herb that has been researched for its, "remarkable ability to cleanse the entire intestinal tract and help those suffering from different stomach and bowel disorders," including Crohn's disease, gastritis, ulcers, parasites, candidiasis, diverticulitis, hemorrhoids, leaky gut, and intestinal flora imbalance (Dr. Brent Davis, *DC Wellness Advocate* Feb 1995; 5(1):1-4). Cat's Claw (*Uncaria tomentosa*) has been used for hundreds of years in Peru for immunological and digestive disorders (Steinberg PN, *Sidahora* 1995 Apr-May;35-6). Its most powerful immunologically active alkaloids are believed to be isopteropodine and pteropodine. These alkaloids have been reported to enhance the WBCs' ability to digest bacteria and debris (*Planta Media* 1985; 51:419-23). Cat's Claw Extract may benefit people with toxic burdens, arthritic, and intestinal problems (*Explore* 1994; 5(4):27-8). **Contraindications:** should not be taken in pregnancy or lactation. Cat's Claw stimulates the immune system and should not be taken by people with transplants.

**Olive Leaf Extract:** The olive tree was believed to be the "Tree of Life" mentioned in Genesis. Current research suggests this belief may be based on the many beneficial effects of the special bioflavonoid oleuropein, other powerful flavonoids found in the olive and olive leaf extract, not to mention the beneficial effects of the olive's many fatty acids and its 30 other phytochemicals. The phytochemical content of the olive may partly account for the low incidence of heart disease and some cancers in the Mediterranean diet (Visioli F, Bellomo G, Galli C, "Free radical-scavenging properties of olive oil polyphenols," *Biochem Biophys Res Commun* 9 Jun 1998; 247(1):60-4). Olive Leaf Extract's oleuropein, working synergistically with rutin, Hesperidin, and other flavonoids is believed to be responsible for the promotion of antibacterial, antiviral, antifungal, antioxidant, hypolipidemic, hypouricemic, hypocholesterolemic, and hypotensive effects. Oleuropein has been found to inhibit 11 out of 17 strains of both gram positive and gram-negative bacteria and to reduce their enterotoxin production (Fleming HP, Walter WM Jr., & Etchells JL, "Antimicrobial properties of oleuropein and products of its hydrolysis from green Olives," *Appl Microbiol* Nov1973; 26 (5): 777-782). Olive Leaf Extract has powerful detoxification effects, which means that people with large burdens of bacteria should allow ample time for elimination of their toxic wastes. (Fehri B et al, *J Pharm Belg* Mar-Apr1994; 49(2):101-8); Visioli F et al, *Experientia* 1995; 51:32-4; Tranter HS et al, *J Appl Bacteriol* 1993; 74:253-9; Tassou CC et al, *Biotech & Appl Biochem* 1991; 13: 231-7; Paster N et al, *II Farmaco* 1991; 46(6): 803-15; Tranter HS et al, "The effect of the olive phenolic compound, oleuropein, on growth and enterotoxin B production by *Staphylococcus aureus*," *J Appl Bacteriol* Mar 1993; 74:253-9).

**Astragalus Extract** has been used for centuries in Chinese Medicine to help fight infections. It has been reported to enhance immune system activity. In clinical trials, ten patients diagnosed with *coxsackie B* myocarditis showed improved immune system

killer-cell activity after taking astragalus (*Chin Med J* 1990; (103): 304-307). Astragalus can have immune-promoting actions. According to research conducted at MD Anderson Hospital in Houston, Texas, astragalus helped restore T-cell counts to relatively normal ranges in some cancer patients (Lininger S, Wright J, Austin S, Brown D, Gaby A, *The Natural Pharmacy*, Rocklin, CA: Prima Health, 1998. p.234). Astragalus contains numerous phytochemicals and nutrients including flavonoids, polysaccharides, triterpene glycosides, amino acids and trace minerals (Shuy HY, *Oriental Materia Medica: A Concise Guide*, Palos Verdes, CA: Oriental Healing Arts Press, 1992: 27-33). Shen Nong, the founder of Chinese herbal medicine, classified astragalus as a superior herb and one of the most important tonic herbs in his classical treatise, *Shen Nong Pen Tsao Ching*, AD, circa 100. Traditional Chinese medicine used this herb for deficiency of *chi*, for example, fatigue, weakness, loss of appetite, for diarrhea, and night sweats (Foster S, Chongxi Y, *Herbal Emissaries: Bringing Chinese Herbs to the West*, Rochester, VT: Healing Arts Press, 1992:27-33). Astragalus can be supportive for immune function in bacterial and viral infections, chemotherapy patients with depressed immune function, and in Alzheimer's disease (Lininger 1998:233).

**Red Clover Extract:** Red Clover is one of the herbs recommended for support of the immune system for people with Lyme disease (Balch JF & PA Balch, *Prescription for Nutritional Healing*, 2<sup>nd</sup> Edition, New York: Avery, 1997). It is a rich source of protective nutrients and phytochemicals. Herbalists have traditionally used red clover for its antibiotic, immune enhancing, cell-protective, and blood purifying properties. Its phytochemicals include coumarins, isoflavones, flavonoids, glycosides, and resins (Yanagihara K et al, "Antiproliferative effects of isoflavones on human cancer cell lines established from the gastrointestinal tract," *Cancer Res* 53:5915-21). Red Clover can help in kidney disorders and can help guard against bacterial attack. It is packed with vitamins and minerals that support kidney function and the body's glands. Red Clover has been used for tissue support in women with fibrocystic breasts. It can act as a relaxant, appetite suppressant, antibiotic, blood purifier, and anti-inflammatory for skin, bowels, and lungs. It is a rich herbal, vitamin and mineral source of bioflavonoids, isoflavonoids, folic acid, biotin, choline, inositol, pantothenic acid, vitamins A, B-1, B-2, B-3, B-6, B-12, C, copper, magnesium, manganese, selenium, and zinc.

**Testimonials:** **A distributor reports...** I used 2 drops of Total Bac-T in 3 Oz. of breast milk to clear up my 5 week old twin's rashes. It worked beautifully. (Mike Munro)

**Doctors report...** **Case #1:** A rash presented on the faces of our children and began to slowly get worse. So I checked out the allergy point and found out it was an allergic reaction. I just decided to test a couple of products that we don't usually use or have in the house and found out it was the anti-bacterial hand lotion that we recently started buying. I looked at the label and saw propylene glycol as a main ingredient. So we stopped using that and the Total Bac-T cleared up the rashes in 24 hours. I love our N-W products.

**Case #2:** I've used the T. Bac-T with our kids with Flu like symptoms and they cleared up within 48 hours.

**Suggested Dosage:** 3- 5 drops in liquid 3 x day or as directed

**Size:** 1 oz. bottle

**Vegetarian:** Yes

**Contraindications:** Some people may be sensitive to arginine; people with herpes viral infections, schizophrenia, or iron overload disease or during pregnancy/lactation should not take this product. Contraindicated with blood-thinning drugs.