

# GLUTAPAK<sup>®</sup>-10

*Intestinal Health and Protection for Oncology Patients*



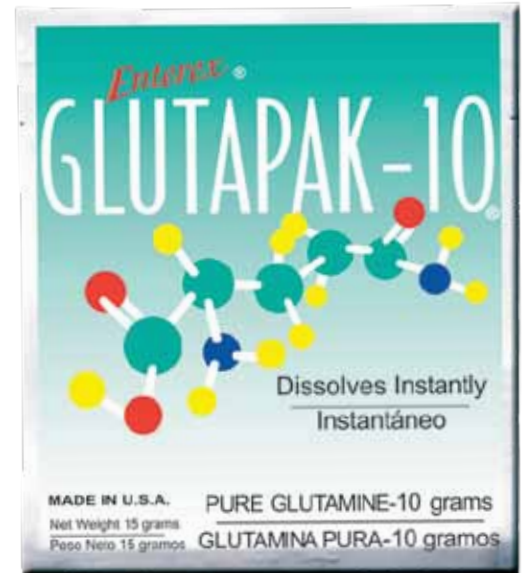
*Support during Antineoplastic Therapy*



Nutrition & medical products for a healthier life

# Intestinal health and protection for oncology patients

- ✓ **Increases effectiveness and tolerance of different levels of antineoplastic therapies<sup>1,2</sup>**
- ✓ **Prevents and reduces the severity of stomatitis<sup>3</sup>**
- ✓ **Prevents and reduces diarrhea associated with treatment<sup>1,4,5</sup>**
- ✓ **Prevents and reduces the neurotoxic side-effects of chemotherapy, such as myalgia and altralgia<sup>2,6</sup>**
- ✓ **Increases Natural Killer (NK) cell activity and levels of the antioxidant glutathione, helping to reduce tumor size<sup>7,8</sup>**
- ✓ **Reduces protein loss and increases anabolism, improving the patient's nutritional status<sup>1,3,7</sup>**
- ✓ **Optimizes wound healing**



Presentation: Powder  
 15g Sachet  
 Contains 10g of L-glutamine  
 50 sachets/case  
 Catalog Number: 70010

## Reduces side-effects associated with cancer therapy and improves quality of life<sup>1-10</sup>

Indications	Preparation and Administration	
<ul style="list-style-type: none"> <li>• Chemotherapy</li> <li>• Radiation therapy</li> <li>• Cachexia</li> <li>• Immunomodulation</li> <li>• Gastrointestinal surgery</li> </ul>	<p><b>For oral use:</b> Mix Glutapak®-10 with 60-120 cc (2-4oz) of water, beverage, formula or food and consume immediately.</p> <p><b>For enteral use:</b> Mix Glutapak®-10 with 60-120 cc (2-4oz) of water and administer through feeding tube immediately. Flush feeding tube before and after administration. Glutapak®-10 should not be mixed with enteral formulas administered through feeding tube, since the addition of Glutapak®-10 to small quantities of enteral formula may cause formula to thicken significantly and therefore may clog the tube.</p> <p style="text-align: center;"><b>GLUTAPAK®-10 IS NOT A COMPLETE DIET              GLUTAPAK®-10 IS NOT FOR PARENTERAL USE</b></p>	
Recommendations*		
<p><b>Prior to antineoplastic therapy:</b>                  One (1) sachet per day for three days prior to initiating treatment.</p>	<p><b>During antineoplastic therapy:</b>                  Three (3) sachets per day.</p>	<p><b>Post antineoplastic therapy:</b>                  One (1) sachet per day for 15 days following end of treatment.</p>

### References

1. Souba W. Glutamine and cancer. *Annals of Surgery* 1993;218(6):715-28.
2. Vahdat L, et al. Reduction of paclitaxel-induced peripheral neuropathy with glutamine. *Clinical Cancer Research* 2001;7:1192-97.
3. Anderson P, Schroeder G, Skubitz K. Oral glutamine reduces the duration and severity of stomatitis after cytotoxic cancer chemotherapy. *Cancer* 1998;83:1433-9.
4. Savarese D, Al-Zoubi A, Boucher J. Glutamine for irinotecan diarrhea. *Journal of Clinical Oncology* 2000;18(2):450.
5. Daniele B, et al. Oral glutamine in the prevention of fluorouracil induced intestinal toxicity: double blind, placebo controlled, randomized trial. *Gut* 2001;48:28-33.
6. Stubblefield M, et al. Glutamine as a neuroprotective agent in high-dose paclitaxel-induced peripheral neuropathy: a clinical and electrophysiologic study. *Clinical Oncology* 2005;17(4):271-6.
7. Wu G, et al. Glutathione metabolism and its implications for health. *Journal of Nutrition* 2004;134:489-92.
8. Klimberg S. Is glutamine effective in enhancing host immune response to tumors? *Journal of Nutrition* 2005;135: 2920S.
9. Savy G. Enteral glutamine supplementation: Clinical review and practical guidelines. *Nutrition in Clinical Practice* 1997;12(6): 259-62.
10. Yoshida S, et al. Effects of glutamine supplements and radiochemotherapy on systemic immune and gut barrier function in patients with advanced esophageal cancer. *Annals of Surgery* 1998;227(4):485-91.

\*Glutapak® 10 recommendations are based on glutamine dosages that have been clinically demonstrated to reduce symptoms of gastrointestinal disorders and gastrointestinal side-effects of antineoplastic therapy as well as improve gastrointestinal function.

