Deglycyrrhizinated licorice (DGL) provides effective nutritional support for the mucosal lining of the stomach and intestines.* DGL supports the production of mucin, a compound that coats and protects the digestive tract to provide relief for occasional stomach discomfort.* To promote a healthy microbial defense, the stomach must sustain a healthy pH and epithelial tissues to support against acidic conditions. Digestion is often compromised due to undigested food particles, spicy or fried foods, stress, and aging. Licorice root is commonly used herb and staple within Traditional Chinese Medicine.

Effective Gastrointestinal Support

<table>
<thead>
<tr>
<th>GutGard® Clinical Trial Studies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Author</strong></td>
</tr>
<tr>
<td>Ravendra et al¹</td>
</tr>
<tr>
<td>Puram et al²</td>
</tr>
</tbody>
</table>

Rhizinate, now featuring GutGard®, is available in three formulas: Rhizinate Original, Rhizinate Fructose Free, and Rhizinate 3x. Each formula is designed to meet your patients’ individual needs through:

- Featuring GutGard®, the polyphenolic plant compound, flavonoids
- Chewable tablets which allow DGL to mix with saliva for faster action on the gastric mucosa*
- Taken after food rather than before.
- Contains less than 1% glycyrrhizin. Glycyrrhizin may elevate blood pressure in some individuals.
- Supporting digestion and help soothe and relieve occasional stomach discomfort.*
- Added glycine to keep stomach lining strong*


*THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THESE PRODUCTS ARE NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.*
**RHIZINATE®**

**How It Works**

Licorice (Glycyrrhiza sp.) is one of the oldest medicinal plants in the world. While its origins are in the Mediterranean, Middle East, and central Asia, it has been cultivated virtually everywhere from Spain to China for centuries. Licorice root contains glycyrrhizic acid, which has many beneficial properties but can lead to high blood pressure if consumed in large quantities over an extended period of time. Glycyrrhizic acid has been used to support immunity and liver function for many years. However, because the beneficial effects of licorice on the stomach lining are not dependent upon glycyrrhizic acid, it has been removed to facilitate long-term use.

**Deglycyrrhizinated Licorice**

Rhizinate, utilizing the extract of *Glycyrrhiza glabra*, GutGard®, helps support healthy mucosal lining by stimulating the stomach’s natural protective factors. The stomach and upper sections of the small intestine are lined with thin layers of tissue called the mucosa. This lining must function in the stomach’s extreme acid environment of pH levels ranging around 2.0 to 3.0.

Unlike antacids, DGL does not suppress gastric acid, which is needed for the absorption of calcium and for the maintenance of healthy gut flora. Rather, it protects the stomach lining by stimulating increased mucous production and blood supply to the mucosa. With 30 years of use and scientific and clinical studies showing gastrointestinal support, DGL has been recommended for both short-term and long-term use.

**Additional Benefits of Licorice:**

- Licorice is a rich source of flavonoids and isoflavonoids.
- Licorice has been shown to support a healthy cytokine response, healthy immune response, cellular metabolism and liver and heart health.

**Glycine**

Glycine is a stable amino acid that has the ability to support healthy mucosal lining of the stomach. It is also a glutathione precursor.
RHIZINATE®
ORIGINAL FLAVOR

Rhizinate® Original flavor is a unique extract of deglycyrrhizinated licorice (DGL) formulated to provide soothing, digestive relief* in a delicious chewable licorice flavor.

**Supplement Facts**

<table>
<thead>
<tr>
<th>Serving Size</th>
<th>3 chewable tablets</th>
<th>%DV*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Total Carbohydrate</td>
<td>2 g</td>
<td>1%*</td>
</tr>
<tr>
<td>Sugars</td>
<td>1 g</td>
<td>**</td>
</tr>
<tr>
<td>Includes 1 g Added Sugar</td>
<td>2%*</td>
<td></td>
</tr>
<tr>
<td>Deglycyrrhizinated Licorice (DGL)</td>
<td>75 mg</td>
<td>**</td>
</tr>
<tr>
<td>Glycine</td>
<td>150 mg</td>
<td></td>
</tr>
</tbody>
</table>

*Percent Daily Values (DV) are based on a 2,000 calorie diet.  **Daily Value not established.

Other ingredients: fructose, mannitol, sorbitol, stearic acid, natural flavor, cellulose, silicon dioxide, and magnesium stearate.

Recommendations: Chew 3 tablets after food in the morning. Chew 3 tablets after food in the evening or as recommended by your healthcare professional.

If pregnant, nursing, or taking prescription drugs, consult your healthcare professional prior to use.

Contains No: Salt, yeast, wheat, gluten, soy, dairy products, artificial coloring, flavoring, preservatives, or ingredients of animal origin.

RHIZINATE®
FRUCTOSE FREE

Rhizinate Fructose-Free is DGL formulated to provide the same relief from occasional stomach discomfort as Rhizinate Original flavor, but without the fructose.*

**Supplement Facts**

<table>
<thead>
<tr>
<th>Serving Size</th>
<th>3 chewable tablets</th>
<th>%DV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calories</td>
<td>5</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Total Carbohydrate</td>
<td>3 g</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Total Sugar</td>
<td>0 g</td>
<td>0%</td>
</tr>
<tr>
<td>Includes 0 g Added Sugars</td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Deglycyrrhizinated Licorice (DGL)</td>
<td>75 mg</td>
<td>**</td>
</tr>
<tr>
<td>Glycine</td>
<td>150 mg</td>
<td></td>
</tr>
</tbody>
</table>

*Percent Daily Values (DV) are based on a 2,000 calorie diet.  **Daily Value not established.

Other ingredients: Sorbitol, mannitol, stearic acid, natural flavor, cellulose, silicon dioxide, magnesium stearate

Recommendations: Chew 3 tablets after food in the morning. Chew 3 tablets after food in the evening or as recommended by your healthcare professional.

If pregnant, nursing, or taking prescription drugs, consult your healthcare professional prior to use.

Contains No: Salt, sugar, yeast, wheat, gluten, soy, dairy products, artificial colors, flavors, preservatives or ingredients of animal origin.

RHIZINATE® 3X
GERMAN CHOCOLATE FLAVORED

Rhizinate 3X is a triple strength deglycyrrhizinated licorice (DGL) in a delicious, German Chocolate flavor. People prefer the taste of Rhizinate 3X over other leading competitors.

**Supplement Facts**

<table>
<thead>
<tr>
<th>Serving Size</th>
<th>1 extra-strength tablet</th>
<th>%DV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Carbohydrate</td>
<td>&lt;1 g</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>Deglycyrrhizinated Licorice (DGL)</td>
<td>75 mg</td>
<td>**</td>
</tr>
<tr>
<td>Glycine</td>
<td>50 mg</td>
<td></td>
</tr>
</tbody>
</table>

*Percent Daily Values (DV) are based on a 2,000 calorie diet.  **Daily Value not established.

Other ingredients: Fructose, organic inulin, coconut milk powder, natural flavors, cocoa bean powder, rice starch, silicon dioxide, organic gum acacia, luo han guo.

Contains milk and tree nuts (coconut).

Recommendations: Chew 1 extra-strength tablet twenty minutes after food in the morning. Chew 1 extra-strength tablet after food in the evening.

If pregnant, nursing, or taking prescription drugs, consult your healthcare professional prior to use.

Contains No: salt, yeast, wheat, gluten, soy, artificial colors or preservatives.
References


