

**POLYETHYLENE GLYCOL-3350 AND ELECTROLYTES WITH FLAVOR PACK -  
polyethylene glycol-3350 and electrolytes with flavor pack powder, for solution  
Novel Laboratories, Inc.**

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**PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack**

**Rx Only**

**4 Liters**

**For Gastrointestinal Lavage**

**DESCRIPTION**

PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack is a white, colon lavage preparation provided as water-soluble components for solution. In solution this preparation with lemon flavor pack added delivers the following, in grams per liter.

Polyethylene glycol 3350 60.00

Sodium chloride 1.46

Potassium chloride 0.745

Sodium bicarbonate 1.68

Sodium sulfate 5.68

Flavor ingredients 0.500

When dissolved in sufficient water to make 4 liters, the final solution contains 125 mEq/L sodium, 10 mEq/L potassium, 20 mEq/L bicarbonate, 80 mEq/L sulfate, 35 mEq/L chloride and 18 mEq/L polyethylene glycol 3350. The reconstituted solution is an isosmotic solution, for oral administration, having mild salty taste. This preparation can be used without the lemon flavor pack and is administered orally or via nasogastric tube.

Each lemon flavor pack (2 g) contains natural lemon flavor powder, saccharin sodium, maltodextrin.

**CLINICAL PHARMACOLOGY**

PEG-3350 (240 g) and electrolytes for oral solution with flavor pack cleanses the bowel by induction of diarrhea. The osmotic activity of polyethylene glycol 3350, in combination with the electrolyte concentration, results in virtually no net absorption or excretion of ions or water. Accordingly, large volumes may be administered without significant changes in fluid and electrolyte balance.

**INDICATIONS AND USAGE**

PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack is indicated for bowel cleansing prior to colonoscopy or barium enema X-ray examination.

**CONTRAINDICATIONS**

PEG-3350 (240 g) and electrolytes for oral solution with flavor pack is contraindicated in patients known to be hypersensitive to any of the components. PEG-3350 (240 g) and electrolytes for oral solution with flavor pack is contraindicated in patients with ileus, gastrointestinal obstruction, gastric retention, bowel perforation, toxic colitis or toxic megacolon.

## **WARNINGS**

Flavor pack is for use only in combination with the contents of the accompanying 4 liter container. No other additional ingredients (e.g., flavorings) should be added to the solution. PEG-3350 (240 g) and electrolytes for oral solution with flavor pack should be used with caution in patients with severe ulcerative colitis.

## **PRECAUTIONS**

### ***General***

Patients with impaired gag reflex, unconscious or semiconscious patients and patients prone to regurgitation or aspiration should be observed during the administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack, especially if it is administered via nasogastric tube.

If gastrointestinal obstruction or perforation is suspected appropriate studies should be performed to rule out these conditions before administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack.

### ***Information for Patients***

PEG-3350 (240 g) and electrolytes for oral solution with flavor pack produces a watery stool which cleanses the bowel prior to examination.

For best results, no solid food should be ingested during the 3 to 4 hour period prior to the initiation of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack administration. In no case should solid foods be eaten within 2 hours of drinking PEG-3350 (240 g) and electrolytes for oral solution with flavor pack.

The rate of administration is 240 mL (8 fl. oz.) every 10 minutes. Rapid drinking of each portion is preferred rather than drinking small amounts continuously.

The first bowel movement should occur approximately one hour after the start of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack administration.

Administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack should be continued until the watery stool is clear and free of solid matter. This normally requires the consumption of approximately 3 to 4 liters (3 to 4 quarts), although more or less may be required in some patients. The unused portion should be discarded.

### ***Drug Interactions***

Oral medication administered within one hour of the start of administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack may be flushed from the gastrointestinal tract and not absorbed.

### ***Carcinogenesis, Mutagenesis, Impairment of Fertility***

Studies to evaluate carcinogenic or mutagenic potential or potential to adversely affect male or female fertility have not been performed.

### ***Pregnancy***

Category C. Animal reproduction studies have not been conducted with PEG-3350 (240 g) and electrolytes for oral solution with flavor pack, and it is not known whether PEG-3350 (240 g) and electrolytes for oral solution with flavor pack can affect reproductive capacity or harm the fetus when administered to a pregnant patient. PEG-3350 (240 g) and electrolytes for oral solution with flavor pack should be given to a pregnant patient only if clearly needed.

### ***Pediatric Use***

Safety and effectiveness in pediatric patients have not been established.

### ***Geriatric Use***

Published literature contains isolated reports of serious adverse reactions following the administration of PEG-ELS products in patients over 60 years of age. These adverse events include upper GI bleeding from Mallory-Weiss Tear, esophageal perforation, asystole, sudden dyspnea with pulmonary edema, and “butterfly-like” infiltrate on chest x-ray after vomiting and aspirating PEG.

### **ADVERSE REACTIONS**

Nausea, abdominal fullness and bloating are the most frequent adverse reactions, occurring in up to 50% of patients. Abdominal cramps, vomiting and anal irritation occur less frequently. These adverse reactions are transient. Isolated cases of urticaria, rhinorrhea, dermatitis, and rarely anaphylaxis, angioedema, tongue edema, and face edema have been reported which may represent allergic reactions.

### **DOSAGE AND ADMINISTRATION**

PEG-3350 (240 g) and electrolytes for oral solution with flavor pack can be administered orally or by nasogastric tube. Patients should fast at least 3 hours prior to administration. A one hour waiting period after the appearance of clear liquid stool should be allowed prior to examination to complete bowel evacuation. No foods except clear liquids should be permitted prior to examination after PEG-3350 (240 g) and electrolytes for oral solution with flavor pack administration.

#### **ORAL:**

The recommended adult oral dose is 240 mL (8 fl. oz.) every 10 minutes (see INFORMATION FOR PATIENTS). Lavage is complete when fecal discharge is clear. Lavage is usually complete after the ingestion of 3 to 4 liters.

#### **NASOGASTRIC TUBE:**

PEG-3350 (240 g) and electrolytes for oral solution with flavor pack is administered at a rate of 20 to 30 mL per minute (1.2 to 1.8 L/hour).

#### **PREPARATION OF PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack SOLUTION:**

This preparation can be used with or without the lemon flavor pack.

1. To add flavor, tear open lemon flavor pack at the indicated marking and pour contents into the bottle BEFORE reconstitution.
2. SHAKE WELL to incorporate flavoring into the powder.
3. Add tap water to FILL line. Replace cap tightly and mix or shake well until all ingredients have dissolved. (No other additional ingredients, e.g. flavorings, should be added to the solution.)

Note: If not using flavor pack, omit steps one and two, above.

### **HOW SUPPLIED**

PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack is supplied in 4 liter bottles with an attached lemon flavor pack. Each 4 liter bottle contains polyethylene glycol-3350 240 g, sodium chloride 5.84 g, potassium chloride 2.98 g, sodium bicarbonate 6.72 g, sodium sulfate (anhydrous) 22.72 g. This preparation is supplied in powdered form, for oral administration as a solution.

**PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack 4liter:**

**NDC 40032-060-19**

Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° to 30°C (59° to 86°F).

**KEEP RECONSTITUTED SOLUTION REFRIGERATED. USE WITHIN 48 HOURS. DISCARD UNUSED PORTION.**

Manufactured by:

Novel Laboratories, Inc.

400 Campus Drive

Somerset, NJ 08873, USA

**PACKAGE LABEL.PRINCIPAL DISPLAY PANEL**

**NDC 40032-060-19**

**PEG-3350 (240 g) and Electrolytes for Oral Solution, USP  
with flavor pack**

**Rx Only**

**Instructions to the pharmacist:**

Dispense bottle and attached flavor pack to the patient.

**Instructions for the patient:**

1. PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack can be used with or without the addition of lemon flavor pack.
  - a. If you prefer an unflavored solution, discard the flavor pack and proceed to step 5.
  - b. If you prefer the flavored solution proceed to step 2.
2. Tear open lemon flavor pack at the indicated marking and pour the contents into the bottle **BEFORE** adding any water.
3. **SHAKE WELL** to incorporate flavoring into the powder.
4. Add tap water to the top of the FILL line marked 4 liters. Recap tightly and mix or shake well until the powder has completely dissolved. **No additional ingredients should be added to the solution.**
5. Refrigerate the solution until ready to drink. Chilling improves taste. Store no longer than 48 hours.
6. For best results, solid food should not be eaten during the 3 to 4 hour period before you start drinking the solution. Never eat solid food within 2 hours of drinking the solution.
7. Drink a glassful (8 oz.) of solution every 10 minutes. It is best to drink the solution rapidly, rather than sipping slowly. Continue drinking glassful every 10 minutes until your watery stool is clear and free of solid matter. This normally requires drinking 3 to 4 liters (3 to 4 quarts). The bottle should be empty (4 liters consumed) or the remaining solution should be at or below the 1 liter mark (at least 3 liters consumed).

**KEEP RECONSTITUTED SOLUTION REFRIGERATED.  
USE WITHIN 48 HOURS. DISCARD UNUSED PORTION.**



Novel Laboratories, Inc.,  
400 Campus Drive  
Somerset, NJ 08873

**4 liters**

**EXP:**

**LOT:**



**GERIATRIC USE:** Published literature contains isolated reports of serious adverse reactions following the administration of PEG-ELS products in patients over 60 years of age. These adverse events include upper GI bleeding from Midway-Weiss liver, esophageal perforation, aspiration, sudden dyspnea with pulmonary edema, and "butyrlife" infiltrate on chest x-ray after vomiting and aspirating PEG.

**ADVERSE REACTIONS:** Nausea, abdominal fullness and bloating are the most frequent adverse reactions, occurring in up to 30% of patients. Abdominal cramps, vomiting and anal irritation occur less frequently. These adverse reactions are transient. Isolated cases of urticaria, rhinorrhea, dermatitis, and rarely anaphylaxis, angioedema, tongue edema, and face edema have been reported which may represent allergic reactions.

**DOSAGE AND ADMINISTRATION:** PEG-3350 (240 g) and electrolytes for oral solution with flavor pack can be administered orally or by nasogastric tube. Patients should fast at least 3 hours prior to administration. A one hour waiting period after the appearance of clear liquid stool should be allowed prior to examination to complete bowel evacuation. No foods except clear liquids should be permitted prior to examination after PEG-3350 (240 g) and electrolytes for oral solution with flavor pack administration.

**ORAL:** The recommended adult oral dose is 240 mL (8 fl. oz.) every 10 minutes (see INFORMATION FOR PATIENTS). Lavage is complete when fecal discharge is clear. Lavage is usually complete after the ingestion of 3 to 4 liters.

**NASOGASTRIC TUBE:** PEG-3350 (240 g) and electrolytes for oral solution with flavor pack is administered at a rate of 20 to 30 mL per minute (1.2 to 1.8 L/hour).

**PREPARATION OF PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack SOLUTION:**

This preparation can be used with or without the lemon flavor pack.

- To add flavor, tear open lemon flavor pack at the indicated marking and pour contents into the bottle BEFORE reconstitution.
- SHAKE WELL to incorporate flavoring into the powder.
- Add tap water to FILL line. Replace cap tightly and mix or shake well until all ingredients have dissolved. (No other additional ingredients, e.g. flavorings, should be added to the solution.)

**Note:** If not using flavor pack, omit steps one and two, above.


**HOW SUPPLIED:** PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack is supplied in 4 liter bottles with an attached lemon flavor pack. Each 4 liter bottle contains polyethylene glycol-3350, 240 g, sodium chloride 5.84 g, potassium chloride 2.98 g, sodium bicarbonate 6.72 g, sodium sulfate (anhydrous) 22.72 g. This preparation is supplied in powdered form, for oral administration as a solution.

**PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack**  
**4liter: NDC 40032-060-19**  
 Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° to 30°C (59° to 86°F).

**KEEP RECONSTITUTED SOLUTION REFRIGERATED. USE WITHIN 48 HOURS. DISCARD UNUSED PORTION.**

Manufactured by:  
 Novel Laboratories, Inc.  
 400 Campus Drive  
 Somerset, NJ 08873, USA

**Rx Only**  
 4 liter  
 This bottle contains the following ingredients:  
 Polyethylene Glycol 3350 240.00 grams  
 Sodium Chloride 5.84 grams  
 Potassium Chloride 2.98 grams  
 Sodium Bicarbonate 6.72 grams  
 Sodium Sulfate (anhydrous) 22.72 grams  
 When dissolved in sufficient water to make 4 liters, the final solution contains 125 mEq/L sodium, 10 mEq/L potassium, 20 mEq/L bicarbonate, 80 mEq/L sulfate, 35 mEq/L chloride and 18 mEq/L polyethylene glycol 3350.  
 Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° to 30°C (59° to 86°F).  
 KEEP THE RECONSTITUTED SOLUTION REFRIGERATED. USE WITHIN 48 HOURS. DISCARD UNUSED PORTION.  
 APPROXIMATE NET WEIGHT IS 278 GRAMS



**Rx Only**  
 4 liters  
**For Gastrointestinal Lavage**  
**DESCRIPTION:** PEG-3350 (240 g) and Electrolytes for Oral Solution with flavor pack is a white, colorless preparation provided as water-soluble components for solution. In solution this preparation with lemon flavor pack added delivers the following, in grams per liter:

Polyethylene glycol 3350	60.00
Sodium chloride	1.46
Potassium chloride	0.745
Sodium bicarbonate	1.68
Sodium sulfate	5.68
Flavor ingredients	0.570

When dissolved in sufficient water to make 4 liters, the final solution contains 125 mEq/L sodium, 10 mEq/L potassium, 20 mEq/L bicarbonate, 80 mEq/L sulfate, 35 mEq/L chloride and 18 mEq/L polyethylene glycol 3350. The reconstituted solution is an isotonic solution, for oral administration, having mild salty taste. This preparation can be used without the flavor pack and is administered orally or via nasogastric tube. Each lemon flavor pack (2 g) contains natural lemon flavor powder, sodium citrate, and sodium chloride.

**CLINICAL PHARMACOLOGY:** PEG-3350 (240 g) and electrolytes for oral solution with flavor pack cleanses the bowel by induction of diarrhea. The osmotic activity of polyethylene glycol 3350, in combination with the electrolyte concentration, results in virtually no net absorption or excretion of ions or water. Accordingly, large volumes may be administered without significant changes in fluid and electrolyte balance.

**INDICATIONS AND USAGE:** PEG-3350 (240 g) and Electrolytes for Oral Solution, USP with flavor pack is indicated for bowel cleansing prior to colonoscopy or barium enema X-ray examination.

**CONTRAINDICATIONS:** PEG-3350 (240 g) and electrolytes for oral solution with flavor pack is contraindicated in patients known to be hypersensitive to any of the components. PEG-3350 (240 g) and electrolytes for oral solution with flavor pack is contraindicated in patients with ileus, gastrointestinal obstruction, gastric retention, bowel perforation, toxic colitis or toxic megacolon.

**WARNINGS:** Flavor pack is for use only in combination with the contents of the accompanying 4 liter container. No other additional ingredients (e.g., flavorings) should be added to the solution. PEG-3350 (240 g) and electrolytes for oral solution with flavor pack should be used with caution in patients with severe ulcerative colitis.

**PRECAUTIONS:** **General:** Patients with impaired gag reflex, unconscious or semiconscious patients and patients prone to regurgitation or aspiration should be observed during the administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack, especially if it is administered via nasogastric tube. If gastrointestinal obstruction or perforation is suspected appropriate studies should be performed to rule out these conditions before administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack.

**INFORMATION FOR PATIENTS:** PEG-3350 (240 g) and electrolytes for oral solution with flavor pack produces a watery stool which cleanses the bowel prior to examination.

For best results, no solid food should be ingested during the 3 to 4 hour period prior to the initiation of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack administration. In no case should solid foods be eaten within 2 hours of drinking PEG-3350 (240 g) and electrolytes for oral solution with flavor pack. The rate of administration is 240 mL (8 fl. oz.) every 10 minutes. Rapid drinking of each portion is preferred rather than drinking small amounts continuously. The first bowel movement should occur approximately one hour after the start of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack administration. Administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack should be continued until the watery stool is clear and free of solid matter. This normally requires the consumption of approximately 3 to 4 liters (3 to 4 quarts), although more or less may be required in some patients. The unused portion should be discarded.

**DRUG INTERACTIONS:** Oral medication administered within one hour of the start of administration of PEG-3350 (240 g) and electrolytes for oral solution with flavor pack may be flushed from the gastrointestinal tract and not absorbed.

**CARCINOGENESIS, MUTAGENESIS, IMPAIRMENT OF FERTILITY:** Studies to evaluate carcinogenic or mutagenic potential or potential to adversely affect male or female fertility have not been performed.

**PREGNANCY:** Category C. Animal reproduction studies have not been conducted with PEG-3350 (240 g) and electrolytes for oral solution with flavor pack, and it is not known whether PEG-3350 (240 g) and electrolytes for oral solution with flavor pack can affect reproductive capacity or harm the fetus when administered to a pregnant patient. PEG-3350 (240 g) and electrolytes for oral solution with flavor pack should be given to a pregnant patient only if clearly needed.

**PEDIATRIC USE:** Safety and effectiveness in pediatric patients have not been established.

# POLYETHYLENE GLYCOL-3350 AND ELECTROLYTES WITH FLAVOR PACK

polyethylene glycol-3350 and electrolytes with flavor pack powder, for solution

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:40032-060
Route of Administration	ORAL		

Active Ingredient/Active Moiety		
Ingredient Name	Basis of Strength	Strength
<b>POLYETHYLENE GLYCOL 3350</b> (UNII: G2M7P15E5P) (POLYETHYLENE GLYCOL 3350 - UNII:G2M7P15E5P)	POLYETHYLENE GLYCOL 3350	240 g in 278.26 g
<b>SODIUM CHLORIDE</b> (UNII: 451W47IQ8X) (CHLORIDE ION - UNII:Q32ZN48698)	SODIUM CHLORIDE	5.84 g in 278.26 g
<b>SODIUM BICARBONATE</b> (UNII: 8MDF5V39QO) (SODIUM CATION - UNII:L YR4M0 NH37)	SODIUM BICARBONATE	6.72 g in 278.26 g
<b>POTASSIUM CHLORIDE</b> (UNII: 660YQ981I0) (POTASSIUM CATION - UNII:295O53K152)	POTASSIUM CHLORIDE	2.98 g in 278.26 g
<b>SODIUM SULFATE ANHYDROUS</b> (UNII: 36KCS0R750) (SULFATE ION - UNII:7IS9N8KPMG)	SODIUM SULFATE ANHYDROUS	22.72 g in 278.26 g

Inactive Ingredients		
Ingredient Name		Strength

ACACIA (UNII: 5C5403N26O)	
SACCHARIN SODIUM (UNII: SB8ZUX40TY)	
MALTODEXTRIN (UNII: 7CVR7L4A2D)	
ALPHA-TOCOPHEROL, DL- (UNII: 7QWA1RIO01)	

### Product Characteristics

Color		Score	
Shape		Size	
Flavor	LEMON	Imprint Code	
Contains			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:40032-060-19	278.26 g in 1 BOTTLE		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA090186	06/01/2009	

**Labeler** - Novel Laboratories, Inc. (793518643)

**Registrant** - Novel Laboratories, Inc. (793518643)

### Establishment

Name	Address	ID/FEI	Business Operations
Novel Laboratories, Inc.		793518643	MANUFACTURE, REPACK

### Establishment

Name	Address	ID/FEI	Business Operations
Dow Chemical Company		801038019	API MANUFACTURE

### Establishment

Name	Address	ID/FEI	Business Operations
Mallinckrodt Baker Inc.		001213481	API MANUFACTURE

### Establishment

Name	Address	ID/FEI	Business Operations
Church and Dwight Co, Inc.		001211952	API MANUFACTURE