



# Topical Prochlorperazine Gel for Nausea

**Prochlorperazine** can be compounded into a pluronic lecithin organogel for transdermal administration. Many people have found this to be a superior alternative to commercially available preparations in the majority of cases for many reasons:

- ✓ **Rapid onset** - This preparation usually provides relief from nausea and vomiting in 10-15 minutes.
- ✓ **Lack of side effects** - Patients have reported less drowsiness compared to oral preparations.
- ✓ There is **no question how much medication is absorbed**; this is often a problem if the patient has an emesis or bowel movement shortly after administration of an oral or rectal medication.
- ✓ **No concern with diarrhea** - Since many patients with "flu-like" symptoms have N/V and diarrhea simultaneously, topical absorption avoids the problems encountered with rectal administration. Patients apply the prescribed amount of prochlorperazine gel (usually 0.25 ml -0.5 ml of a 50 mg/ml gel) to the wrist.

For many patients this has become a "first-line" anti-emetic therapy because it is so convenient and it works very well. The "secret" to the efficacy of this product lies in the preparation of the "PLO gel" which facilitates adequate penetration and transdermal absorption.

**Promethazine** and **Ondansetron** can also be formulated as topical gels for administration post-operatively, or during pregnancy. Please thoroughly evaluate risk vs. benefit in any pregnant patient.

## **Prescribing**

Topical anti-emetic therapy can be made to meet your patients' needs. Choose the preferred agent, and make dose equal to 0.5mL (or less) of the final concentration.

Our pharmacists are glad to help at any time.

### **Rx**

Prochlorperazine 50mg/mL  
PLO Topical Gel

10mL

sig: Apply 0.5mL to wrists  
Q4-6 hours PRN nausea