

**TACROLIMUS ORAL SUSPENSION
1 MG/ML**

Ingredient	Quantity
Tacrolimus 5 mg (Prograf® only)*	20 capsules
Sterile Water for Irrigation	15 mL
Ora Blend®	qs ad 100 mL

* **NOTE:** The stability study was based on using Prograf® 5 mg capsules

Equipment:

- gloves and gown
- N-95 mask
- plastic lined absorbent pad
- mortar and pestle
- calibrated graduate
- alcohol
- paper towel
- large plastic bag
- spatula
- stirring rod
- amber plastic bottle
- garbage bags

Storage:

- Room Temperature
- Protect from light

Stability:

- 90 days

For patients on tacrolimus suspension who have a transplant and live in:

- Nova Scotia; tacrolimus suspension dispensed by IWK pharmacy (High Cost Drug Program)
- PEI; tacrolimus suspension dispensed by Provincial Pharmacy

Procedure (prepare in biological safety cabinet [BSC]):

1. Calibrate storage bottle with water and mark final volume (leave room in the bottle for shaking).
2. Protect the surface of the BSC with an absorbent drape cloth (or equivalent).
3. Place mortar and pestle in clear plastic bag. Empty capsules into mortar, add sterile water and triturate powder to a fine paste, *working in plastic bag* to prevent flying dust from tablets.
4. Add approximately 30 mL of Ora Blend® to the tacrolimus suspension in mortar and mix well. Remove mortar and pestle from plastic bag and transfer contents to stock bottle.
5. Rinse mortar with Ora Blend® a few times and transfer to stock bottle. Qs ad to final volume and shake well.
6. Wipe outer surface of stock bottle with 70% isopropyl alcohol and remove from the BSC. Label.
7. Wipe out mortar and pestle with paper towel to remove excess suspension.
8. Fold all disposable waste in the absorbent drape cloth and place in cytotoxic waste (sharps) container.
9. Clean the biological safety cabinet as per weekly procedure.
10. Dispose of personal protective equipment in the cytotoxic waste container.
11. Clean reusable supplies with soap and water. Rinse well with water and wipe dry.
12. Wash hands thoroughly with soap and water.

Sample Label:

Tacrolimus 1 mg/mL Oral Suspension	
Storage:	Date Prepared:
Shake Well	Expiry Date:
Quantity: 100 mL	

References:

Bone Marrow Transplantation 2006; 37: 781-784

CAUTION: The information has been developed specifically for the IWK Health Centre. It is provided for informational purposes for qualified health care professionals. This material is not intended as a substitute for consulting qualified health care professionals. Patient situations will vary and some information may have become outdated as a result of more recent evidence or practice changes. The IWK Health Centre will not assume responsibility for the continued currency of the information, any errors or omissions, and/or any consequences arising from the use of the information outside of the IWK.