

## COMPOUND EVALUATION FORM

<b>Compound Name:</b> Temozolomide	<b>Container-closure system(s):</b> Amber glass bottle
<b>Strength:</b> 10 mg/mL	<b>Preservatives:</b> Contained in Ora Blend SF/Oral Mix SF
<b>Dosage Form:</b> Oral Suspension	<b>Beyond Use Date (compound type):</b> 30 days refrigerated. Room Temp BUD is 6 days
<b>Product Description:</b> Opaque Suspension	<b>Storage:</b> Refrigeration (Preferred)
<b>Auxiliary Labels:</b> Shake Well; Antineoplastic	
<b>Quality control procedures (ex: pH test, etc.):</b> Visual Inspection of final product	
<b>Ingredients:</b> Temozolomide 100 mg Capsules Ora-Blend SF or Oral Mix SF (QS)	

**Instructions for preparation:****Directions:**

1. Empty contents of capsules into a mortar.
2. Triturate to a fine powder and assure thorough mixing.
3. Add 3-5 mL of Oral Blend SF or Oral Mix SF and levigate to form a smooth and uniform paste.
4. Add vehicle, geometrically, mixing well after each addition.
5. Transfer to a graduate.
6. Rinse mortar with vehicle, adding rinse to graduate.
7. QS to final volume with vehicle. Stir well.
8. Transfer to a GLASS bottle for storage.

**NOTES:**

- Crystal formation does not indicate chemical instability and adequate shaking will allow ability to measure a dose accurately.
- Oral syringes stored in UV protective bags had same stability as bottles.
- Discoloration to dark orange may indicate chemical instability.

**Calculations:**

Ingredient Name/Strength/Form	QS	Quantity	Units
Temozolomide 100 mg		6	capsules
Ora Blend SF or Oral Mix SF	X	60	mL

**Equipment/ Supplies:**

X Mortar and Pestle

X Stirring rod

☐ Ointment slab

Revised: TS 2/25



**NATIONWIDE CHILDREN'S®**  
*When your child needs a hospital, everything matters.*

## Pharmacy Services

☒ Graduated cylinder(s)

☐ Weigh paper

☒ Counting tray

☐ Spatula

☒ Amber (plastic/glass) bottle

☐ Syringe

☐ Balance

☐ Ointment jar

☐ Funnel

## References:

1. Lingertat-Walsh, K., Weilnau, J., Cober, M. P., Ostrenga, A., Poon, B., Pacita, S., Walker, S. E. (2020). Stability of extemporaneously compounded temozolomide 10 mg/mL suspensions in Oral Mix SF® in glass and plastic bottles and plastic syringes. *Journal of Oncology Pharmacy Practice*.

Revised: TS 2/25



**NATIONWIDE CHILDREN'S®**  
*When your child needs a hospital, everything matters.*

**Nationwide Children's Hospital Disclaimer:**

The information provided on this site is for educational and informational purposes and may not be relied upon to direct or provide care to a patient. This material is not intended as a substitute for consulting health care professionals. The health care professionals remain solely responsible to provide and direct patient care. The information contained on this site may not be up to date due to more recent medical developments. The preparation, dispensing, and administration of pharmaceuticals is and remains the responsibility of licensed medical professional or pharmacist. Nationwide Children's Hospital assumes no liability for any injury and/or damage to persons from use of any information contained on this site.

Revised: TS 2/25

