

INSTRUCTIONAL GUIDE

Mixing Medications into MediGel[®] Sucralose

ClearH₂O[®]

**MediGel[®]
Sucralose**

Non-wetting Thermo Reversible Water
Gel for Medication Delivery

clearh2o.com

MediGel[®] Sucralose is a flavored, low calorie, water thermoreversible gel designed to administer medication for research animal applications.

- 1 It's best to heat the gel to 60°C for up to 15 minutes in a water bath or oven. Do not use a microwave.
- 2 Remove gel from bath/oven and shake vigorously to determine if the gel is liquefied. It should look like thick water.
- 3 Dry the cup and wipe with alcohol. If adding a powder drug to the gel, peel back lid, add the drug, and stir until homogenized.
If adding a liquid drug suspension you can inject the drug with a syringe through the foil lid. Cover the hole with tape, and shake the cup vigorously by hand, then vortex for 15 seconds each until homogenized.
- 4 Once the drug is added, set in a refrigerator or at room temperature for 15 minutes. The product should reset as a soft gel.
- 5 Use the drug containing **MediGel[®] Sucralose** as the rodent's only water source, replacing the cup every 2 days.
- 6 For best results, provide regular **MediGel[®] Sucralose** to the rodents 2-3 days prior to giving them the medicated **MediGel[®] Sucralose** for acclimation.

NOTE: Use of **MediGel[®] Sucralose** for the oral administration of medication must be authorized by and under the supervision of a licensed veterinarian.

EXAMPLE DOSE CALCULATION FOR CARPROFEN OR MELOXICAM

Dose required: 10 mg/kg/day

For a 25 gram mouse: 10 mg/kg X 0.025 kg = 0.25 mg of drug/mouse/day

A 25 gram mouse on average will consume 5 ml of gel per day

Therefore: 0.25 mg / 5 ml gel = 0.05 mg/ml

One 2 oz cup of gel contains 60 ml

Therefore: 0.05 mg X 60ml = 3 mg per cup

You would want to add 3 mg of drug to one cup of MediGel[®] Sucralose

NOTES

1. One cup of gel medicates & hydrates up to 5 mice for 2 days.
2. Provide medicated gel 48 hours prior to surgery.
3. If using a liquid drug suspension, it is best if the volume of drug suspension added to the MediGel[®] is under 5 mls. Too much volume may prevent the gel from re-solidifying.
4. If using a liquid drug suspension, you can add some food coloring to the suspension to help with determining how well the solution is mixed.

Clear H₂O[®]

Advancing animal research with more effective and ethical hydration, nutrition, and medicine delivery solutions.

clearh2o.com



HydroGel[®]



DietGel[®]



MediGel[®]



MediDrop[®]



LabGel[®]



FiberBites[®]



VetGel[®]