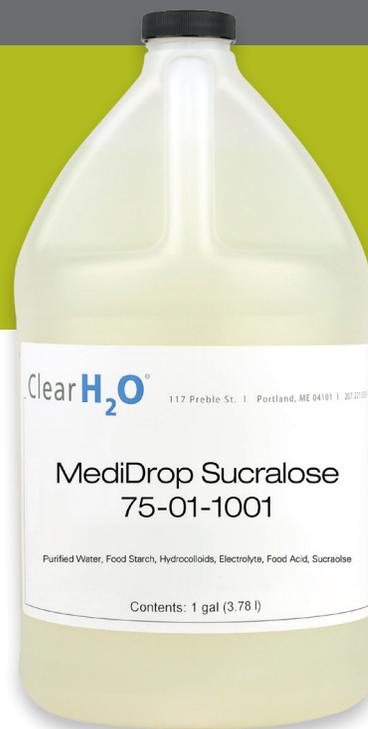


INSTRUCTIONAL GUIDE

Mixing Trimethoprim & Sulfamethoxazole into MediDrop[®] Sucralose



MediDrop[®] Sucralose is a fluid gel delivery system that is 99% water and slightly sweetened to help mask bitter medications or compounds. MediDrop[®] Sucralose is used in place of regular water and is poured directly into the cage water bottles.

Trimethoprim & Sulfamethoxazole will be suspended in MediDrop[®] Sucralose for up to 7 days – no need to shake the water bottle daily! Further, rodents will get a higher dose and more consistent dosing with MediDrop[®] Sucralose.

EXAMPLE DOSE CALCULATION OF BACTRIM (SULFAMETHOXAZOLE AND TRIMETHOPRIM ORAL SUSPENSION, USP, 200 MG/40 MG PER 5 ML CHERRY FLAVORED ORAL SUSPENSION)

Drug used: Bactrim Cherry Flavor 200/40 mg per 5 ml liquid suspension

Goal: To achieve a standard concentration of 2000 ppm sulfamethoxazole and 400 ppm trimethoprim

HOW MUCH BACTRIM DO I ADD TO ONE GALLON OF MEDIDROP[®] SUCRALOSE?

1. 2000 ppm = 2000 mg/kg. 400 ppm = 400 mg/kg
2. There is 3785 g or 3.78 kg of MediDrop[®] in one gallon
3. $2000 \text{ mg} \times 3.78 \text{ kg} = 7,560 \text{ mg}$ or 7.6 grams of sulfamethoxazole needs to be added to one gallon

of MediDrop[®] Sucralose. Because Bactrim is a combination drug, adding sulfamethoxazole at the correct concentration means the trimethoprim will be added at the correct concentration.

HOW DO I CALCULATE HOW MUCH BACTRIM TO ADD TO MEDIDROP[®] SUCRALOSE?

1. There is 200 mg sulfamethoxazole in 5ml of Bactrim suspension
2. There is 40 mg per ml of Bactrim
3. $7,560/40 = 189 \text{ ml}$ of Bactrim needs to be added to one gallon of MediDrop[®] Sucralose.

Please note: There is not enough headspace at the top of a gallon jug to accommodate the 189ml volume of Bactrim. It is best to add the gallon of MediDrop[®] to a larger vessel and then add the 189ml of Bactrim. Mix with a hand held stir bar or magnetic stirrer to achieve homogeneity. The drug should stay in suspension for up to 7 days.

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