

FORMULATION RECORD

NOTE: YOU ARE REQUIRED TO COMPLETE THE FORMULATION RECORD AND THE COMPOUNDING RECORD IN THIS LABORATORY EXERCISE

RIFAMPIN ORAL SUSPENSION

Name: Rifampin Suspension

Strength: 10 mg/ml

Dosage Form: Suspension

Route of Administration: Oral

Date of Last Review or Revision: 08/13/02

Person Completing Last Review or Revision: RPS

Formula:

Ingredient	Quantity	Physical Description	Solubility	Therapeutic Activity
Rifampin 300 mg capsules				
Simple Syrup	qs			
Flavor	qs			

Calculations:

Step 1. Determine the volume of flavor concentrate needed to adequately flavor Simple Syrup. Place 15 ml of Simple Syrup in the sample container provided. Add flavor concentrate to the Simple Syrup to achieve desired flavoring. Record the volume of flavor concentrate added. Calculate the percentage of flavoring agent:

$$\text{Percentage} = \frac{\text{volume of flavor concentrate added}}{\text{volume of Simple Syrup} + \text{volume of flavor concentrate added}}$$

Step 2. The flavored suspension of rifampin: was a larger percentage of flavor required when rifampin was added to Simple Syrup?

Equipment Required:

- Plastic spatula
- Weighing paper

Method of Preparation:

From package insert for Rifampin Capsules: Instructions to make 120 ml of a 1% Rifampin Suspension

- Empty contents of four 300 mg capsules onto a piece of weighing paper
- Crush powder with rubber spatula. Place powder in a calibrated 4 oz. amber plastic prescription bottle.
- Prepare 120 ml of flavored syrup.

- Rinse weighing paper and spatula with 20 ml of flavored syrup and add rinse to bottle. Shake vigorously.
- Add 100 ml of flavored syrup. Shake vigorously.

Description of Finished Product:

Quality Control Procedures:

Packaging Container:

Storage Requirements:

Beyond-Use Date Assignment:

Label Information:

Source of Recipe:

Literature Information:

Package Insert: Stability studies indicate that the suspension is stable when stored at room temperature (25°C) or in a refrigerator (2 – 8°C) for 4 weeks.