

LAB 3

Tasks

One brand-name prescription

Three compounded prescriptions

OTC scenario will be given for Lab 4

Prep #3 – Methylcellulose gel

- Method of preparation:
 1. Weigh out the methylcellulose
 - Calculate quantity based on percent strength
 2. Heat 50 mL of water to 65 - 75°C
 - Use distilled water for all preparations
 3. Slowly add the methylcellulose with gentle stirring
 - Stir gently to avoid air bubbles trapped in the gel
 4. After all the methylcellulose has been added, remove from the heat and allow to cool slightly with stirring
 - Stir continuously to ensure uniformity
 5. Add cold water up to 100 g with stirring
 - Cold water will be a pitcher of distilled water in the refrigerator
 - Subtract ingredients from 100 g to get amount for water
 6. An ice bath may be required for additional gelling

Prep #3 – Methylcellulose gel

- Stock preparation
 - Don't recopy onto a prescription blank
 - Label with prep number, name of prep, date prepared, your name
 - Product will not be graded until used in prep 14 in lab 7
 - Complete a compounding worksheet
- Packaging = 4-oz bottle
 - Not "squeeze" bottle
 - Point loss for wrong container
- Storage = Refrigerator
- Expiration date = not required on stock preps

Prep #4 – Menthol/Thymol Lotion

- Compounding tips
 - Menthol and thymol form a liquid (eutectic)
 - Mix in mortar and pestle first
 - q.s. with “Lotion” in conical graduate
 - Lotion listed on price chart
 - Calculate for 60 mL used
- Label = “Menthol/Thymol Lotion ___%”
- Packaging = 2-oz collapsible bottle
- Storage = Room temperature
- Expiration date = 1 year from date of prep

Prep #5 – Lip Balm

- Formula numbers
 - 1 = Hug-a-Drug
 - 2 = Drug Lords
 - 3 = Pharmer's Market
 - 4 = Phunny Pharm
- Info on ingredients
 - Base F (PCCA) is Witepsol
 - Look up in *Handbook of Pharmaceutical Excipients*
 - Base G (PCCA) is sweet almond oil
 - Look up in *Remington's*
 - Anhydrous ointment base (PCCA) is a proprietary mixture
 - Observe properties to fill in compounding worksheet, function is "vehicle"
 - All other ingredients can be found in *Remington's*

Prep #5 – Lip Balm

- Reduce formula quantities for 15 g
- Method of preparation:
 1. Melt the ingredients together at 55°C
 - Use a water bath
 - Heat ingredient with highest melting point first
 - Solid, semisolid, liquid
 2. Add flavor if desired
 - Number of ingredients = 4...\$48 compounding fee
 3. Remove from heat and mix until uniform
 - Stir continuously if flavor doesn't mix well
 4. Pour into tubes
 - Allow mixture to cool slightly before pouring
 - Film will form on top of mixture
 - Allow mixture to cool and harden in tubes, then finish the top flat

Prep #5 – Lip Balm

- Label = “Lip Balm”
 - 2 labels needed
- Packaging = two 5-g “chapstick” applicator tubes
- Storage = Room temperature
- Expiration date = 6 months