

Extemporaneous Preparations

Preparation Name	Ingredients	Method of preparation	Stability after preparation
1- Aminophylline Oral Solution (5 mg/ml)	<ul style="list-style-type: none"> - Ampoule of aminophylline 250 mg/10ml solution for injection. - 40 ml water for injection 	<ul style="list-style-type: none"> - Dilute one aminophylline ampoule (250 mg/10 ml) with 40 ml water for injection to obtain aminophylline solution (250mg/50 ml) and packed aseptically into plastic oral syringes. 	<ul style="list-style-type: none"> - The prepared solution is chemically stable for at least 30 days at refrigerator in plastic syringes. - Check periodically for signs of precipitations. - The solution should be protected from light.
2- Boric acid ear drop 3 %	<ul style="list-style-type: none"> - 3 grams boric acid powder. - Isopropyl alcohol 70 %. 	<ul style="list-style-type: none"> - Dissolve 3 grams of boric acid in sufficient isopropyl alcohol 70% to qs 100 ml. 	<ul style="list-style-type: none"> - A beyond used date of up to 6 months can be used for this preparation.
3- Lugol's Iodine Solution 5 %	<ul style="list-style-type: none"> - 10 grams potassium iodide (KI) - 5 grams iodine crystals - 100 ml distilled water 	<ul style="list-style-type: none"> - Dissolve 10 grams of KI in about 20-30 ml of distilled water. - Add iodine and heat gently with constant mixing until iodine is dissolved. - Dilute to 100 ml with distilled water. - Store in amber glass-stoppered bottle in the dark. Other method: - Dissolve 10 g potassium iodide in 100 ml of distilled water. 	<ul style="list-style-type: none"> - Store in amber glass-stoppered bottle in the dark. - Store for 1 month after preparation.

		<ul style="list-style-type: none"> - Slowly add 5 g iodine crystals, while shaking. - Filter and store in a tightly stoppered brown bottle. 	
4- Nitroglycerin 0.04% lotion	<ul style="list-style-type: none"> -250 mg of Nitroglycerin (equal 25 ampoules, concentration for each ampoule is 10 mg /10 ml) = 0.25 g - 350 g of cold cream. 	<ul style="list-style-type: none"> - Mix 0.25 g of nitroglycerin with 350 g of cold cream. 	<ul style="list-style-type: none"> - Stable for 1 month.
5- Propranolol 1 % ointment	<ul style="list-style-type: none"> - 100 mg of oral propranolol crushed pills (equal 10 pills) - Petroleum jelly = 9.9 g 	<ul style="list-style-type: none"> - Crush 10 pills of propranolol (10 mg strength) to obtain 100 mg propranolol. - Mix the crushed tablets with 9.9 g petroleum jelly. 	<ul style="list-style-type: none"> - Stable for 3 months .
6- Nifedipine 0.2 % ointment	<ul style="list-style-type: none"> - 200 mg of oral nifedipine crushed pills (equal 10 pills). - Petroleum jelly = 99.8g 	<ul style="list-style-type: none"> - Crush 10 pills of nifedipine (20 mg strength) to obtain 200 mg nifedipine. - Mix the crushed tablets with 99.8 g petroleum jelly. 	<ul style="list-style-type: none"> - Stable for at least 1 year when stored at 25°C when packaged in white opaque polypropylene containers.