

• Potassium Permanganate Lotion

object - to prepare and dispense 50 ml of potassium permanganate lotion

Calculation -

(1) calculate the amount of potassium permanganate required.

1:5000 Ratio means - 1 gm of potassium permanganate in 5000 ml water.
1000 mg potassium permanganate in 5000 ml solution

50 ml solution - 10 mg potassium

(2) calculate the amount of stock solution required

• 1% KMnO_4 (1 gm KMnO_4 in 100 ml of solution)

• 10 mg KMnO_4 is present in 1 ml of stock solution

Method -

prepare stock solution by dissolving 100 mg of KMnO_4 in 10 ml of water in a glass mortar. then take 1 ml solution and add water upto 50 ml. transfer it to dispensing bottle put cork and label it.

Indication

(1) 1:100 Solution is used in mycotic infection such as athlete's foot.

1:200 Solution for stomach wash in morphine and phosphorus poisoning.

(2) 1:1000 to 1:4000 Solution is used as a clinging application for sterilisation of instruments

(3) 1:5000 to 1:10,000 Solution is used as eye wash, mouth wash, stomach wash in case of alkaloid poisoning, wet dressing as a antiseptic in urethral and vaginal infection.

(4) Direct crystals are topically applied in snake bite at the site of bite

(5) used as styptic 5% (1:20) to prevent local bleeding.

Precautions-

- (1) Lotions are dispersed in Light resistant bottles photosensitive.
- (2) for External use only.

Disadvantage-

It causes rusting, thus not suitable for disinfecting Instruments.

- At higher concentration, It stains the skin and clothes may cause burn or blister on skin.
- Activity is reduced in presence of organic matter and
- Oral Ingestion cause gastric irritation, renal and car-

Prescription

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Dinesh 16 yr Male

Diagnosis - ulcer

Rx

Potassium permanganate - 10 mg

Aqua ad 50 ml

Mft - Lotio send such 50 ml.

Signa - wash the ulcer two to three times daily.
for External use only.

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✓ Ramgopal
13/04/2017

Label

SOMLOF 1:5000
POTASSIUM PERMANGANATE LOTION

FOR EXTERNAL USE ONLY

Dinesh 16 yr Male

Direction - wash ulcer 2-3 times a day.

Pharmacy Lab

SMSMC

Jaipur

Ramgopal
13/04/17