



## PHARMACY 'FAST TRACK' TRAINING PROGRAMME FOR THE PREPARATION OF INJECTABLE MEDICATION

Pharmacy Staff Member Name\_\_\_\_\_

Date\_\_\_\_\_

Author:Diane Taylor, Pharmacy Technical Services ManagerIssued By:Pharmacy DepartmentRatified by:Gareth Price – Chief PharmacistDate issued:April 2020Review Date:April 2021Version:1

#### Introduction

During the emergency period relating to Covid-19, it is essential that pharmacy staff are able to support with the preparation of critical injectable medicines. This guidance provides advice to pharmacy staff on how to safely prepare injectable medicines to meet the increased demand whilst minimising wastage.

#### Scope

- The guidance contained in these documents applies to the preparation of injectable medication
- The guidance applies only to the preparation of intravenous, subcutaneous, intramuscular, bolus and infused medicines. It does **not** apply to medicines prepared for epidural or spinal injection.
- Assessments and competency observations will be completed by Pharmacy Manufacturing Unit Head of Production or Head of Quality or their designated deputy.
- The guidance is valid only for the duration of the current COVID-19 emergency situation.
- This training is designed to be undertaken by Accuracy Checking Pharmacy Technicians and or Pharmacist in the first instance. Consideration may be given to suitably trained and experienced Pharmacy Technicians/Assistant should workforce resource dictate
- A joint letter from the Department for Health and Social Care, NHS Resolution, and NHS England and NHS Improvement: 'clinical negligence indemnity in response to Coronavirus' outlines indemnity arrangements for HCP whilst working differently during the pandemic.

https://resolution.nhs.uk/wp-content/uploads/2020/03/20200402-Tripartite Indemnity letter.pdf

## Training and Competency Time Table

Task	Duratio n	Date Complete d
Blended Learning Aseptic Non Touch Technique training <u>https://elearning.lthtr.nhs.uk/course/search.php?search=ANT</u> <u>T</u>	30 minutes	
Read NPSA Promoting safer use of injectable medicines 2007-NRLS-0434F-Pr omoting-safeSOP-ten	30 minutes	
Watch Drug Preparation with Ecoflac Connect video <u>https://www.youtube.com/watch?v=ib2hlb-gZ88</u>	5 minutes	
Aseptic Practical Training	45min 60mins 30 mins	
Skills Practice	– 45mins 30	
Observed Competency for preparation of Performance Criteria should be observed maximum 3 times by the assessor	minutes hour	
<ul> <li>Reconstitution of powdered injection</li> <li>Preparation of an Ecoflac Plus 100mL</li> </ul>		

<ul> <li>Withdrawing solution into a syringe and</li> </ul>	
injecting into an intravenous fluid bag	

#### **Observed Competency Assessment for the Preparation of Injectable Medication**

#### **Reconstitution of Powdered Vial**

Performance Criteria should be observed maximum 3 times by the assessor

Performance Criteria	Competency Level	Assessor signature	Trainee Signature
Cleaning techniques are performed		Jighatare	Jightetere
correctly			
Labels are produced and completed correctly			
Appropriate needles, syringes, etc selected			
Raw materials are selected correctly			
Able to manipulate syringes, needles			
correctly			
Able to manipulate syringes, needles			
aseptically			
Reconstitutes powdered vial correctly			
Withdraws reconstituted solution into			
syringe			
Attaches label to syringe			
Reconciles reconstituted product			
Ensures accuracy check is completed			
Safely disposes of all waste			
Overall Assessment Co	mnotont/Not (	Compotent	·

**Overall Assessment** 

Competent/Not Competent

- A = Proficient
- B = Satisfactory
- C = Requires further training
- D = Unsatisfactory

Comments

Assessor Signature:\_\_\_\_\_Date:\_\_\_\_\_\_Date:\_\_\_\_\_Date:\_\_\_\_\_Date:\_\_\_\_\_\_Date:\_\_\_\_Date:\_\_\_\_\_Date:\_\_\_Date:\_\_\_Date:\_\_\_\_Date:\_\_\_\_Date:\_\_\_\_Date:\_\_\_Date:\_\_\_Date:\_\_\_Date:\_\_\_Date:\_\_\_Date:\_\_\_Date:\_\_Date:\_

#### Preparation of Injectable Medication using Ecoflac Device

Performance Criteria should be observed maximum 3 times by the assessor

Performance Criteria	Competency Level	Assessor signature	Trainee Signature
Cleaning techniques are performed			
correctly			
Work sheet and labels are produced and			
completed correctly			
Appropriate Ecoflac devices selected			
Raw materials are selected correctly			
ANTT technique is performed			
Reconstitutes powdered vial correctly			
using Ecoflac device			
Attaches label to bottle			
Reconciles reconstituted product			
Ensures accuracy check is completed			
Safely disposes of all waste			
Overall Assessment	omnetent/Not (	`omnotont	·

**Overall Assessment** 

Competent/Not Competent

- A = Proficient B = Satisfactory
- C = Requires further training
- D = Unsatisfactory

Comments

Assessor Signature: D	Date:
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#### Withdrawing Solution into Syringe and injecting into intravenous bag

Performance Criteria should be observed maximum 3 times by the assessor

Performance Criteria	Competency	Assessor	Trainee
	Level	signature	Signature
Cleaning techniques are performed			
correctly			
Work sheet and labels are produced and			
completed correctly			
Appropriate needles, syringe, etc selected			
Raw materials are selected correctly			
Able to manipulate syringe, needles			
correctly			
Able to manipulate syringe, needles			
aseptically			
Draws up solution correctly and injects			
into IV bag			
Attaches label to bag			
Reconciles reconstituted product			
Ensures accuracy check is completed			
Safely disposes of all waste			
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**Overall Assessment** 

Competent/Not Competent

- A = Proficient
- B = Satisfactory
- C = Requires further training

D = Unsatisfactory

Comments

Assessor Signature:\_\_\_\_\_Date:\_\_\_\_\_

Checklist for the Reconstitution a Powdered Vial

## Checklist for the Reconstitution of Medication using an Ecoflac device

Process	Completed
Selects the required medication and user that checks	
Drug name	
Drug strength	
• <b>Septicind Etel</b> oride 0.9% Ecoflac Plus 100mL bottle	
Washes hand with bactericidal soap and water or bactericidal	
alcohol hand rub, and assembles necessary equipment.	
ESSENTIAL EQUIPMENT Washes hands with bactericidal soap and water or bactericidal	
alcohol hand jub, and assembles necessary equipment.	
ESSENTIALEOUPMENT	
<ul> <li>Svringe/filter straw/cap</li> <li>Ecoflac connect</li> </ul>	
<ul> <li>Sharps Container</li> <li>Alcohol wipes</li> </ul>	
Applies gloves and appon/ ensures cleaning techniques are	
Applies glaves and apron/ ensures cleaning techniques are	
REIformes one protective tab on Sodium Chloride 0.9% Ecoflac Plus	
POGAL BOCKESINE AND BETAGINES READENDED TO THE STRING .	
· · ·	
Rensolves protective apponulatentive period wipe	
Opensie Coflac connect	
Attaches Ecoflac connect to Sodium Chloride 0.9% Ecoflac Plus	
Swaps the neck of the ampoule with an alcohol wipe, covers the	
Actaches other end of Ecollac conflect to visnaps it open. If there is	
any difficulty, an ampoule opening device may be required	
Slowly squeezes Ecoflac Plus 100mL sodium chloride 0.9% into the Draws up required diluent volume.	
Removes protective cap from vial and wipes vial with alcohol wipe	
hierts the diluent slowly into the powder within the vial, equalising	
Agrates the vial is sowly into the powder within the vial, equalising pressure	
Inspect the contents	
Agitates the vial	
When the solution is clear, elevates vial and squeezes bottle to	
https://www.contents.of.viaifor particulates?	
sodium chloride 0.9% bottle When the solution is clear, withdraws the prescribed amount, tilting	
Ensure into the Ecoflac Plus	
100mL sodium chloride 0.9% bottle	
Discards used needle into appropriate sharps container and	
attaches a plastic end cap or new needle	
Attaches a label to the syringe.	
Places syringes in a clinically clean tray	
Washes hands thoroughly	

Process	Completed
Selects the required medication and checks	
Drug name	
Drug strength	
Expiry date	
Washes hands with bactericidal soap and water or bactericidal	
alcohol hand rub, and assembles necessary equipment.	
ESSENTIAL EQUIPMENT	
Needle	
<ul> <li>Syringe/filter straw/cap</li> </ul>	
Sharps container	
Alcohol wipes	
Applies gloves and apron/ ensures cleaning techniques are	
performed correctly	
Opens packaging and attaches needle or filter straw to the syringe.	
Taps the neck of the ampoule gently to release diluent into the ampoule.	
Swabs ampoule neck with alcohol wipe, covers the neck of the	
ampoule with an alcohol wipe and snaps it open. If there is any	
difficulty, an ampoule opening device may be required	
Draws up required volume of medication	
Inspect the contents	
Taps the syringe to dislodge any air bubbles. Expels air.	
Discards used needle or filter straw into appropriate sharps	
container and attaches a plastic end cap or new needle	
Attaches a label to the syringe.	
Places syringes in a clinically clean tray	
Washes hands thoroughly	

## Checklist for the withdrawing of medication from an ampoule into a syringe

# Checklist for the withdrawing of medication from an ampoule into a syringe and injecting into an intravenous fluid bag

Process	Completed
Selects the required medication and checks	
Drug name	
Drug strength	
Expiry date	
Washes hands with bactericidal soap and water or bactericidal	
alcohol hand rub, and assembles necessary equipment.	
ESSENTIAL EQUIPMENT	
Needle	
<ul> <li>Syringe/filter straw/cap</li> </ul>	
Sharps container	
Alcohol wipes	
Applies gloves and apron/ ensures cleaning techniques are performed correctly	
Opens packaging and attaches needle or filter straw to the syringe.	
Taps the neck of the ampoule gently to release diluent into the	
ampoule.	
Swabs ampoule neck with alcohol wipe, covers the neck of the	
ampoule with an alcohol wipe and snaps it open. If there is any	
difficulty, an ampoule opening device may be required Draws up required volume of medication	
Inspect the contents for particles	
Taps the syringe to dislodge any air bubbles. Expels air.	
Discards used needle or filter straw into appropriate sharps	
container and attaches a green needle	
Removes outer packaging from IV bag	
Wipes IV bag port with alcohol wipe	
Injects contents of syringe into IV bag taking care not to puncture the IV bag.	
Removes syringe from IV bag and wipes IV bag port with alcohol wipe	
Attaches suitable cap to port	

Process	Completed
Selects the required medication and checks	
Drug name	
Drug strength	
• Expiry date	
Washes hands with bactericidal soap and water or bactericidal	
alcohol hand rub, and assembles necessary equipment.	
ESSENTIAL EQUIPMENT	
Needle	
Syringe/needle /cap	
Sharps Container	
Alcohol wipes	
Applies gloves and apron/ ensures cleaning techniques are	
performed correctly	
Opens packaging and attaches needle to the syringe.	
Removes protective cap from vial and wipes vial with alcohol wipe	
Withdraws the prescribed amount, equalising pressure /tilting the	
vial if necessary.	
Taps the syringe to dislodge any air bubbles. Expels air.	
Inspect the contents for particulates	
Discards used needle into appropriate sharps container and	
attaches a plastic end cap or new needle	
Attaches a label to the syringe.	
Places syringes in a clinically clean tray	
Washes hands thoroughly	
Labels IV bag	
Disposes of syringe in sharps container	
Washes hands thoroughly	

Checklist for the withdrawing of medication from a liquid vial into a syringe