



# Stafford County Fire and Rescue Department EMS Training



## Blood Administration

### Standard Blood Y Administration Set with Pressure Infuser Bag

Date: \_\_\_\_\_

Candidates' Name: \_\_\_\_\_

Evaluator's Name: \_\_\_\_\_

<b>Objective:</b> The candidate will infuse one unit simulated blood using a standard Blood Y Administration Set with Pressure Infuser Bag with 100% accuracy.	
Task	Completed
Verbalizes patient criteria: SI $\geq$ 1.0	
Verbalizes establishing two large bore IVs and identifying largest IV	
Verbalizes attaching short IV Extension Tubing to IV Catheter	
Open Blood Y Administration Set and add Qinflow CDU	
Close both upper roller clamps and lower roller clamp	
Double spike bag of Normal Saline to one side of the Blood Y Administration Set	
Open Normal Saline upper roller clamp	
Squeeze drip chamber half-full and flush tubing	
Attached Qinflow CDU to Patient (IV Extension Tubing).	
Attach Qinflow Warrior Base Unit cable to CDU	
Power on Qinflow Warrior Base Unit	
Close Normal Saline upper roller clamp	
Complete Blood Inspection: <ul style="list-style-type: none"> <li>• Check that the blood type is O-Positive Blood</li> <li>• Check the expiration date to ensure the blood is in date</li> <li>• Check the Hemo-Trac Blood Temperature Indicator is displaying Green</li> </ul>	
Blend the unit of blood by <u>gently</u> rotating the bag end over end.	
Spike unit of blood to other side of Blood Y Administration Set	
Open blood upper roller clamp	
Place blood in a 500ml Pressure Infuser Bag	
Open lower roller clamp and infuse blood, inflate pressure bag to increase infusion rates.	
Monitor Qinflow Warrior Base Unit display to ensure the outflow temperature is 38° C (100° F)	
After the blood administration, close the blood upper roller clamp.	
Open Normal Saline upper roller clamp and flush the tubing with a small amount of Normal Saline	
Reassess Patient	
Question: <i>What should you do if the Hemo-Trac Blood Temperature Indicator is displaying Blue.</i> Answer: Do not administer it.	



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Question: <i>What should you do if the Qinflow Base Unit is not operable.</i> Answer: Cannot give blood unless it is warmed with the Qinflow Base Unit and CDU.	
Question: <i>What is the dosage for an adult:</i> Answer: 1 unit Type O-Positive Blood IV rapidly infused, reassess and document vital signs.	
Question: <i>Can you infuse blood through an IO.</i> Answer: Yes, the flow rate is comparably slower through an IO and should be administered using the LifeFlow Infuser with LifeFlow Blood Y Administration Set.	