



**National Registry of Emergency Medical Technicians®  
 Paramedic Psychomotor Competency Portfolio Manual  
 INTRAVENOUS PIGGYBACK INFUSION SKILLS LAB**

Student Name: \_\_\_\_\_ Date: \_\_\_\_\_

Instructor Evaluator: \_\_\_\_\_ Signature \_\_\_\_\_ Student Evaluator: \_\_\_\_\_ Signature \_\_\_\_\_

SCORING	
N/A	Not applicable for this patient
0	Unsuccessful; required critical or excessive prompting; inconsistent; not yet competent
1	Not yet competent, marginal or inconsistent, this includes partial attempts
2	Successful; competent; no prompting necessary

Actual Time Started: _____	SCORE
Clearly explains procedure to patient	
Assures that patent primary IV line is established	
<b>Selects, checks, assembles equipment</b>	
Medication	
IV solution	
Administration set	
Needle (if needleless set is not available)	
Sharps container	
Alcohol swabs	
Tape	
Medication label	
<b>Adds medication to secondary IV solution and spikes bag</b>	
Confirms medication order	
Asks patient for known allergies	
Explains procedure to patient	
Selects correct medication by identifying:	
Right patient	
Right medication	
Right dosage/concentration	
Right time	
Right route	
Check medication for:	
Clarity	
Expiration date	
Assembles prefilled syringe correctly and dispels air while maintaining sterility	
Checks IV solution for:	
Proper solution	
Clarity or particulate matter	
Expiration date	
Protective covers on tail ports	
Checks administration set for:	
Drip rating	
Tangled tubing	
Protective covers on both ends	
Flow clamp up almost to drip chamber and closed	

Removes protective cover on secondary IV bag medication port and cleanses while maintaining sterility	
Reconfirms medication	
Injects medication into secondary IV bag while maintaining sterility	
Disposes/verbalizes proper disposal of syringe in proper container	
Gently agitates secondary bag to mix medication	
Removes protective cover on drip chamber while maintaining sterility	
Removes protective cover on secondary IV bag tail port while maintaining sterility	
Inserts IV tubing spike into secondary IV bag tail port by twisting and pushing until inner seal is punctured while maintaining sterility	
Turns secondary IV solution bag upright	
Squeezes drip chamber and fills half-way	
Turns on flow of secondary line and bleeds line of all air while maintaining sterility <b>with minimal loss of fluid</b>	
Shuts flow off after assuring that all large air bubbles have been purged from secondary line	
<b>Infuses medication</b>	
Attaches needle to adapter end of secondary line administration set while maintaining sterility (if needleless set is not available)	
Takes or verbalizes appropriate PPE precautions	
Reconfirms medication	
Identifies and cleanses most proximal injection site of primary line (Y-port or hub if needleless set is not available)	
Inserts needle into port of primary line while maintaining sterility	
Turns on flow, calculates and adjusts flow rate of secondary line as necessary	
Stops flow of primary line	
Securely tapes needle to injection port of secondary line while maintaining sterility (if needleless set is not available)	
Checks and adjusts flow rate of secondary line	
Labels medication fluid bag (date, time, medication, concentration, dosage, initials)	
Verbalizes need to observe patient for desired effect and adverse side effects	
<b>Affective</b>	
Accepts evaluation and criticism professionally	
Shows willingness to learn	
Interacts with simulated patient and other personnel in professional manner	

**Actual Time Ended:** \_\_\_\_\_

**TOTAL**

/110

