

Power Express Sample Processing System

Task	Resources	How Measured?	Achieved?		N/A	Date	Trainee Initial	Trainer Initial	
			Y	N					
System Overview									
<ul style="list-style-type: none"> Identify Cennexus computer and functions 	Power Express General System Operation Instructions for Use (IFU) ↳ Chapter 1 System Operation ↳ Hardware AND Power Express [Specific Module] Instructions for Use (IFU) ↳ Chapter 1 [Specific Module] Description	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify Line Control application and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify Track and components for routing sample tubes and carriers and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify common Module components and functions (Control Panel, Stop Button, Beacon) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify Dynamic Inlet and Error Lane Modules and functions 		AND	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Identify Inlet racks and functions (red, blue, white, yellow) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify Centrifuge Module and D-Lane functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify Decapper Module and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify Aliquot Module (Level Detector, Labeler, Aliquotter) and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
<ul style="list-style-type: none"> Identify Direct Track Sampling (DTS) Module and functions 	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					

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System Overview, continued								
<ul style="list-style-type: none"> • Identify Rack Builder Module(s) and functions 	Power Express General System Operation Instructions for Use (IFU) ↳ Chapter 1 System Operation ↳ Hardware AND Power Express [Specific Module] Instructions for Use (IFU) ↳ Chapter 1 [Specific Module] Description	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify Recapper Module and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify Storage Module and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify Outlet Module and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify Secondary Decapper Module and functions 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify sample tube processing steps on Power Express 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Software Overview								
<ul style="list-style-type: none"> • Identify Cennexus Dashboard and functions (System Status, Loading Pause, Alert Buttons, Audible On/Off, Login, Event Log) 	Cennexus Instructions for Use (IFU) ↳ Chapter 1 System Description	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify Cennexus Main Menu buttons and functions (System, Sample, Connection, Rack, Storage, Setup, Data Mgmt, Exit, About) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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Software Overview, continued								
<ul style="list-style-type: none"> Identify common Cennexus software areas (Work Space, Function Buttons, Notification Bar) 	Cennexus Instructions for Use (IFU) ↳ Chapter 1 System Description	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Identify Line Control software features 	Power Express General System Operation Instructions for Use (IFU) ↳ Chapter 1 System Operation ↳ Software ↳ Line Control Computer	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Identify control panel buttons and functions 	Power Express General System Operation Instructions for Use (IFU) ↳ Chapter 3 System Operation Procedures ↳ Module Control Panels	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
System Operations								
<ul style="list-style-type: none"> Identify correct bar code label attachment on sample tubes 	Power Express General System Operation Instructions for Use (IFU) ↳ Chapter 2 Preparing for Operation ↳ Bar Code Labels ↳ Attach Bar Code Labels	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Loading sample tubes in Inlet racks 	Power Express Inlets and Outlets Modules Instructions for Use (IFU) ↳ Chapter 2 Inlet and Outlet Module Procedures	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Perform a rack exchange at the Inlet 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Remove sample tubes from the Error Lane 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Perform a rack exchange at the Outlet 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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System Operations, continued								
<ul style="list-style-type: none"> • Perform a rack exchange at the Storage Module 	Power Express Storage Module Instructions for Use (IFU) <ul style="list-style-type: none"> ↳ Chapter 2 Storage Module Procedures <ul style="list-style-type: none"> ↳ System-Initiated Rack Exchange ↳ Operator-Initiated Rack Exchange 	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Pause loading of samples to a connected analyzer (Loading Pause) 	Cennexus Instructions for Use (IFU) <ul style="list-style-type: none"> ↳ Chapter 3 System Operation Procedures <ul style="list-style-type: none"> ↳ Loading Pause ↳ System ↳ Sample ↳ Data Management 	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Track a sample on the system (System Menu) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Generate system statistics (System Menu) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Search for a sample tube (Sample Menu) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Retrieve a sample tube from Storage (Sample Menu) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Search for sample tube history (Sample Menu) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Assign a rack ID (Sample Menu) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Back up setup data (Data Mgmt Menu) 		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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System Operations, continued								
• Add a test (Setup Menu)	Cennexus Instructions for Use (IFU) ↳ Chapter 3 Preparing for Operation ↳ Test Tab ↳ Add a Test	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform a daily shutdown	Power Express General System Operation Instructions for Use (IFU) ↳ Chapter 3 System Operation Procedures ↳ Daily Shutdown/Startup	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform pre-startup checklist tasks		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform a daily startup		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Maintenance								
• Perform Daily maintenance	Power Express General System Operation Instructions for Use (IFU) ↳ Chapter 5 Maintenance ↳ Daily Maintenance Checks and Procedures ↳ Weekly Maintenance Checks and Procedures ↳ Monthly Maintenance Check and Procedures	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform Weekly maintenance		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Perform Monthly maintenance		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Error Recovery and Troubleshooting								
• Identify Error Codes on Control Panels and where to locate them in the IFUs	Power Express [Specific Module] Instructions for Use (IFU) ↳ Chapter 4 Troubleshooting ↳ Error Code Tables ↳ Sensor Diagrams	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
• Identify how to use the Sensor Diagrams to locate sensors on a module		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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Error Recovery and Troubleshooting, continued								
<ul style="list-style-type: none"> Identify general error recovery steps 	Power Express [Specific Module] Instructions for Use (IFU) ↳ Chapter 3 Error Recovery Procedures	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Identify where to find function codes tables in IFU 	↳ Error Recovery General Information	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Identify how to place the module into Maintenance mode to enter function codes 	↳ [Specific Module] Function Codes ↳ General Error Recovery	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Bypass a module 	Power Express [Specific Module] Instructions for Use (IFU) ↳ Chapter 3 Error Recovery Procedures ↳ System Error Recovery Procedures ↳ Bypass a Module	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Enable/disable a Decapper or Recapper 	Power Express Decapper and Recapper Modules Instructions for Use (IFU) ↳ Chapter 3 Error Recovery Procedures ↳ Error Recovery General Information ↳ Decapper and Recapper Module Function Codes	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> Enable/disable an Aliquot Nozzle Drip Tray 	Power Express Aliquot Module Instructions for Use (IFU) ↳ Chapter 3 Error Recovery Procedures ↳ Error Recovery General Information ↳ Aliquot Module Function Codes	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			

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Error Recovery and Troubleshooting, continued								
<ul style="list-style-type: none"> • Enable/disable a unit at Line Control 	Power Express General System Operation Instructions for Use (IFU) <ul style="list-style-type: none"> ↳ Chapter 1 System Operation <ul style="list-style-type: none"> ↳ Software <ul style="list-style-type: none"> ↳ Line Control Computer 	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify where to find module-specific error recovery procedures in IFUs 	Power Express [Specific Module] Instructions for Use (IFU) <ul style="list-style-type: none"> ↳ Chapter 3 Error Recovery Procedures <ul style="list-style-type: none"> ↳ [Specific Module] Error Recovery Procedures 	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify Alert buttons on Cennexus (System, Sample, Communication) and errors that display on each screen 	Cennexus Instructions for Use (IFU) <ul style="list-style-type: none"> ↳ Chapter 4 Error Recovery <ul style="list-style-type: none"> ↳ Alert Levels ↳ System Alerts ↳ Sample Alerts 	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
<ul style="list-style-type: none"> • Identify Event Log and how to search for information 	<ul style="list-style-type: none"> ↳ Communication Alerts ↳ Event Log 	<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
Additional Tasks								
		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		<input type="checkbox"/> Direct Observation <input type="checkbox"/> Test <input type="checkbox"/> Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			