



IPA-3400 AutoSequence: CE002733 12
 IPA-3900-FM S/N: 73191003

Test Date: 6/27/2018
 Cal Due: 01/03/2019

DUT Information:

Manufacturer: _____ ID #: CE002733
 Model: _____ S/N: _____
 Tested By: ALC

AutoSequence Passed

Test Summary

Step	Step Type	Step Title	Step Status
01	Operator Instructions	Occlusion Pressure Test 6 psi	Passed
02	Occlusion Test	Occlusion Test	Passed
03	Operator Instructions	Occlusion Test 10 psi	Passed
04	Occlusion Test	Occlusion Test	Passed
05	Operator Instructions	Flow Test Instructions	Passed
06	Flow Test	Flow Test	Passed
07	Operator Instructions	Free Flow Test	Passed
08	Operator Instructions	Proximal Occlusion Test	Passed
09	Operator Instructions	Proximal Air Test	Passed
10	Operator Instructions	Distal Air Alarm Test	Passed
11	Operator Instructions	Verifications	Passed

Test Details:

Step Number: 01 **Step Type: Operator Instructions**
Step Passed

Step Title: Occlusion Pressure Test 6 psi

Step Instructions:

Set pump to deliver at 40 mL/hr with a delivery of around 20 mL

Step Number: 02 **Step Type: Occlusion Test**
Step Passed

Step Title: Occlusion Test

Step Configuration:

Pump Type:	Manual	Upper Limit:	9 PSI
Test Parameter:	Pressure	Lower Limit:	3 PSI

Test Results:

Peak Pressure:	8.038 PSI	Peak Time:	00h:00m:46s
Bolus Volume:	0.417 mL	Alarm Time:	00h:01m:18s

Test Details:**Step Number: 03****Step Type: Operator Instructions
Step Passed****Step Title: Occlusion Test 10 psi****Step Instructions:**

Same values as before but set pressure limit to 10 psi

Step Number: 04**Step Type: Occlusion Test
Step Passed****Step Title: Occlusion Test**

Step Configuration:

Pump Type:	Manual	Upper Limit:	13 PSI
Test Parameter:	Pressure	Lower Limit:	7 PSI

Test Results:

Peak Pressure:	12.661 PSI	Peak Time:	00h:01m:27s
Bolus Volume:	0.635 mL	Alarm Time:	00h:01m:51s

Step Number: 05**Step Type: Operator Instructions
Step Passed****Step Title: Flow Test Instructions****Step Instructions:**

Memorize These instructions / procedures. Do not start delivery until passing this instruction page and going to the next step

Set pump Pump to KVO operation
 Set Channel A to 200 mL/hr, VTBI 10 mL
 Set Channel B to Piggyback mode
 Set Channel B to 200 mL/hr, VTBI 10mL
 VTBI should be 20 mL +/- 1 mL

Step Number: 06**Step Type: Flow Test
Step Passed****Step Title: Flow Test**

Step Configuration:

Flow Rate:	200 mL/hr	Test Parameter:	Volume
Volume TBI:	20 mL	Tolerance:	+1/-1 mL
Test Duration:	00h:06m:15s	Start Condition:	Automatic
Back Pressure:	0.200 PSI	End Condition:	Duration

Test Results:

Elapsed Time:	00h:06m:15s	Avg. Flow:	195.74 mL/hr
Volume:	20.416 mL	Max Inst:	345.74 mL/hr
Percent Error:	2.1 %	Min Inst. Flow:	0.00 mL/hr

Test Details:**Step Number: 07****Step Type: Operator Instructions**
Step Passed**Step Title: Free Flow Test****Step Instructions:**

With Cassette in Pump Open stopcock. Verify Device passes Free Flow Test

Step Number: 08**Step Type: Operator Instructions**
Step Passed**Step Title: Proximal Occlusion Test****Step Instructions:**

Set Delivery to 400 mL/hr and VTBI 50 mL. While pumping, pinch off line and verify "Proximal Occlusion Alarm" occurs before 3 pumping cycles

Step Number: 09**Step Type: Operator Instructions**
Step Passed**Step Title: Proximal Air Test****Step Instructions:**

Use Special Cassette marked "Proximal".

Set Delivery to 400 mL/hr 50 mL

Verify device passes cassette test, starts pumping, and alarms "Proximal Air" before exceeding 1 mL

Step Number: 10**Step Type: Operator Instructions**
Step Passed**Step Title: Distal Air Alarm Test****Step Instructions:**

Use the Special Cassette labeled "Distal"

Same set up as before / 400 mL/hr 50 mL

Verify pump passes cassette test, begins pumping, and alarms "Distal Air" before delivering 1 mL

Step Number: 11**Step Type: Operator Instructions**
Step Passed**Step Title: Verifications****Step Instructions:**

Verify device passes Alarm Volume tests

Verify device has no physical damage

Verify Nurse Lockout function

Verify all keys work

Verify ESI

Verify device contains a Stanely Tag