



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Organization of:

Medical Murray
400 North Rand Road, North Barrington, IL 60010

*and hereby declares that the Organization is accredited in accordance with
the recognized International Standard:*

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Mechanical and Dimensional Testing
(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Tracy Szerszen
President

Initial Accreditation Date:

June 17, 2021

Issue Date:

June 01, 2025

Expiration Date:

July 31, 2027

Accreditation No.:

108231

Certificate No.:

L25-417

*The validity of this certificate is maintained through ongoing assessments based
on a continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjlab.com*

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084



Certificate of Accreditation: Supplement

Medical Murray

400 North Rand Road, North Barrington, IL 60010
Contact Name: Rachel Martin Phone: 847-847-3700

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED	FLEX CODE	LOCATION OF ACTIVITY
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Leakage by Pressure Decay	ISO 80369-7 Section 6.1.2 ISO 80369-20 Annex B	Leak tester Thermometer/hygrometer ISO 80369-7 reference connector Force gauge Torque gauge	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Positive Pressure Liquid Leakage	ISO 80369-7 Section 6.1.3 ISO 80369-20 Annex C	Hydraulic pressure tester Thermometer/hygrometer ISO 80369-7 reference connector Force gauge Torque gauge	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Sub-atmospheric Pressure Air Leakage	ISO 80369-7 Section 6.2 ISO 80369-20 Annex D	Vacuum pump/gauge Thermometer/hygrometer ISO 80369-7 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Stress Cracking	ISO 80369-7 Section 6.3 ISO 80369-20 Annex E	Hydraulic pressure tester or Leak tester Thermometer/hygrometer ISO 80369-7 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Resistance to Separation from Axial Load	ISO 80369-7 Section 6.4 ISO 80369-20 Annex F	Tensile tester Load cell Thermometer/hygrometer ISO 80369-7 reference connector Force gauge Torque gauge	F1, F2	F



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Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Resistance to Separation from Unscrewing	ISO 80369-7 Section 6.5 ISO 80369-20 Annex G	Thermometer/hygrometer ISO 80369-7 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Resistance to Overriding	ISO 80369-7 Section 6.6 ISO 80369-20 Annex H	Thermometer/hygrometer ISO 80369-7 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Leakage by Pressure Decay	ISO 80369-3 Section 6.1.2 ISO 80369-20 Annex B	Leak tester Thermometer/hygrometer ISO 80369-3 reference connector Force gauge Torque gauge	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Positive Pressure Liquid Leakage	ISO 80369-3 Section 6.1.3 ISO 80369-20 Annex C	Hydraulic pressure tester Thermometer/hygrometer ISO 80369-3 reference connector Force gauge Torque gauge	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Stress Cracking	ISO 80369-3 Section 6.2 ISO 80369-20 Annex E	Hydraulic pressure tester or Leak tester Thermometer/hygrometer ISO 80369-3 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Resistance to Separation from Axial Load	ISO 80369-3 Section 6.3 ISO 80369-20 Annex F	Tensile Tester Load cell Thermometer/hygrometer ISO 80369-3 reference connector Force gauge, Torque gauge	F1, F2	F



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Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Resistance to Separation from Unscrewing	ISO 80369-3 Section 6.4 ISO 80369-20 Annex G	Thermometer/hygrometer ISO 80369-3 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Resistance to Overriding	ISO 80369-3 Section 6.5 ISO 80369-20 Annex H	Thermometer/hygrometer ISO 80369-3 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Small-Bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Disconnection by Unscrewing	ISO 80369-3 Section 6.6 ISO 80369-20 Annex I	Thermometer/hygrometer ISO 80369-3 reference connector Force gauge Torque gauge Timer	F1, F2	F
Mechanical	Intravascular Catheters – Sterile and Single-Use Catheters	Corrosion Resistance	ISO 10555-1 Section 4.8 and Annex A	Balance/scale Water bath Hot plate Timer Thermocouple/thermometer	F1, F2	F
Mechanical	Intravascular Catheters – Sterile and Single-Use Catheters	Peak Tensile Force	ISO 10555-1 Section 4.9 and Annex B	Tensile tester Load cell Timer Calipers Water bath Thermocouple	F1, F2	F
Mechanical	Intravascular Catheters – Sterile and Single-Use Catheters	Freedom from Leakage During Pressurization	ISO 10555-1 Section 4.10 and Annex C	Hydraulic pressure tester Thermocouple	F1, F2	F
Mechanical	Intravascular Catheters – Sterile and Single-Use Catheters	Freedom from Leakage During Aspiration	ISO 10555-1 Section 4.11 and Annex D	Thermocouple Timer	F1, F2	F



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Mechanical	Intravascular Catheters – Sterile and Single-Use Catheters	Power Injection	ISO 10555-1 Section 4.14 (Method B) and Annex F and G	Power injector Pressure gauge Water bath Viscometer Thermocouple Timer	F1, F2	F
Mechanical	Sterile Hypodermic Syringes for Single Use	Dead Space	ISO 7886-1 Section 13.1 and Annex C	Balance/scale	F1, F2	F
Mechanical	Sterile Hypodermic Syringes for Single Use	Freedom from Liquid Leakage	ISO 7886-1 Section 13.2 and Annex D ISO 7886-2 Section 14.2	Thermometer/hygrometer Weights Pressure gauge Timer Thermocouple	F1, F2	F
Mechanical	Sterile Hypodermic Syringes for Single Use	Freedom from Air Leakage	ISO 7886-1 Section 13.2 and Annex B ISO 7886-2 Section 14.2	Thermometer/hygrometer Timer Vacuum pump/gauge Thermocouple	F1, F2	F
Mechanical	Medical Devices	Radiopacity	ASTM F640	C-arm ruler	F1, F2	F
Dimensional	Small-bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Intravascular or Hypodermic Applications	Dimensional Requirements	ISO 80369-7 Section 5 and Annex B	Thermometer/hygrometer Keyence CMM	F1, F2	F
Dimensional	Small-bore Connectors for Liquids and Gases in Healthcare Applications – Connectors for Enteral Applications	Dimensional Requirements	ISO 80369-3 Section 5 and Annex B	Thermometer/hygrometer Keyence CMM	F1, F2	F



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Accreditation is granted to the facility to perform the following conformity assessment activities:

1. Location of activity:

Location

F

Location

Conformity assessment activity is performed at the CABs fixed facility

2. Flex Code:

- F0- Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification.
- F1- Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
- F2- Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
- F3- Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
- F4- Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
- F5- Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope

