

ISO/IEC 17025 Pre-Calibrated Corning® Lambda™ Plus Pipettors

CORNING



Corning Lambda Plus Pipettor Standard Testing

Each pipettor manufactured by Corning is individually calibrated and gravimetrically tested during the manufacturing process. The Quality Control Certificate with the gravimetric test results is supplied with a pipettor.

ISO Quality Systems

Corning's manufacturing site located in Poland (PZ HTL S.A.) is certified according to ISO 9001 and ISO 14001 quality management standards. The Calibration Laboratory of PZ HTL S.A. has been certified according to ISO 17025. The Certificate confirms effectiveness of the quality management system, and also accuracy and reliability of tests within the laboratory for piston pipettor's calibration. The official accreditation number: AP169 issued by PCA (signatory EA MLA and ILAC MRA), validity: December 20, 2020.

ISO 17025 Accredited Calibration Certificate

The PZ HTL S.A. Accredited Calibration Laboratory is considered an independent metrological laboratory. It is allowed to issue Accredited Calibration Certificates for single-channel and multi-channel pipettors with the ILAC MRA logo which proves that the measurements are linked to the International System Units. The pipettor calibration is performed using the gravimetric method and complies with ISO 8655-6. It is offered in two options:

- ▶ Standard Procedure: 10 measurements at 3 volumes (nominal volume, 50% of nominal volume, 10% of nominal volume or minimal volume)
- ▶ Alternative Procedure: 4 measurements at 3 volumes (nominal volume, 50% of nominal volume, 10% of nominal volume or minimal volume)

ILAC MRA

The International Laboratory Accreditation Cooperation (ILAC) is the international cooperation between the various laboratory accreditation bodies operated throughout the world. The ILAC arrangement guarantees that test results are mutually acceptable between different governmental and regulatory organizations on regional, national, and international levels. The ILAC MRA Mark is associated with the ILAC Mutual Recognition Arrangement (MRA) and it ensures that each laboratory is actually complying with the same minimum standards. Signatories to the ILAC MRA arrangement are, among others, BELAC (Belgium), CORFAC (France), SAS (Switzerland), UKAS (United Kingdom), A2LA, IAS, NVLAP (USA), and also IAJapan, JAB (Japan), CGCRE (Brazil).



AP 169



DATE OF ISSUE: February 9, 2017 Certificate No. 0800002017 Page: 2/2

Calibration results are the following:

The value of measurement	Measured value	Measurement error	Uncertainty of measurement
20	20.00	0.02	0.03
100	99.94	-0.06	0.10
100	100.02	0.02	0.10

Authorized by: Kiprin Kalyuzhnik

HE HANNA ENGINEERING

PCAL S.A.
4 Chemnitz St.
03 230 Strassen, Dresden
Germany, 101 101 1010
M.E.H. @ corning.com
www.he.de

PCA
PCAL S.A.
PCAL S.A. is a member of the PCA Group.

Calibration laboratory accredited by
Metro Centre for Accreditation in Germany to DIN EN ISO 17025 and ILAC-MRA.
Full scope recognition of calibration certificates.
Accreditation No. 0800002017

CALIBRATION CERTIFICATE

Date of issue: February 9, 2017 Certificate No. 0800002017 Page: 1/2

OBJECT OF CALIBRATION
Single-channel pipette
Manufacturer: Corning Incorporated
Serial number: 0001046
Volume: 200 µL
Range: 0 - 200 µL

APPLICANT
Medical Center
326 N. State St., Jackson, MS 39201

CALIBRATION METHOD
Air temperature: (18.4 ± 0.1) °C
Relative humidity: (52.2 ± 0.3) %
Atmospheric pressure: (1013 ± 0.1) hPa

DATE OF CALIBRATION
February 9, 2017

TRACEABILITY
This certificate is issued under the agreement of PCA S.A. in the field of calibration and provides traceability of measurement results to the International System of Units (SI).

CALIBRATION RESULTS
The results have been presented on page 2 of this certificate including uncertainty of measurement.

UNCERTAINTY OF MEASUREMENT
Uncertainty of measurement has been evaluated in accordance with ISO/IEC 17025. The expanded uncertainty assigned corresponds to a coverage probability of 95% and the coverage factor is 2.

ISO/IEC 17025:2017
Analyt. Service

This certificate may be presented or copied as a single document only.

Ordering Information

Corning® Lambda™ Plus Single-channel, 8-channel, and 12-channel Pipettors with Accredited Calibration Certificate

Standard Procedure Cat. No.	Alternative Procedure Cat. No.	Volume Range (µL)	Channels	Qty/Cs
4070-STD	4070-ALT	0.2 - 2.0	1	1
4071-STD	4071-ALT	0.5 - 10	1	1
4072-STD	4072-ALT	2 - 20	1	1
4073-STD	4073-ALT	10 - 100	1	1
4074-STD	4074-ALT	20 - 200	1	1
4075-STD	4075-ALT	100 - 1,000	1	1
4080-STD	4080-ALT	1 - 10	8	1
4081-STD	4081-ALT	5 - 50	8	1
4082-STD	4082-ALT	20 - 200	8	1
4083-STD	4083-ALT	50 - 300	8	1
4084-STD	4084-ALT	1 - 10	12	1
4085-STD	4085-ALT	5 - 50	12	1
4086-STD	4086-ALT	20 - 200	12	1
4087-STD	4087-ALT	50 - 300	12	1

Warranty/Disclaimer: Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

For additional product or technical information, visit www.corning.com/lifesciences or call 800.492.1110. Outside the United States, call +1.978.442.2200 or contact your local Corning sales office.

CORNING

Corning Incorporated
Life Sciences

836 North St.
Building 300, Suite 3401
Tewksbury, MA 01876
t 800.492.1110
t 978.442.2200
f 978.442.2476

www.corning.com/lifesciences

ASIA/PACIFIC
Australia/New Zealand
t 61 427286832

China
t 86 21 3338 4338
f 86 21 3338 4300

India
t 91 124 4604000
f 91 124 4604099

Japan
t 81 3-3586 1996
f 81 3-3586 1291

Korea
t 82 2-796-9500
f 82 2-796-9300

Singapore
t 65 6572-9740
f 65 6861-2913

Taiwan
t 886 2-2716-0338
f 886 2-2516-7500

EUROPE
CSEurope@corning.com

France
t 0800 916 882
f 0800 918 636

Germany
t 0800 101 1153
f 0800 101 2427

The Netherlands
t 020 655 79 28
f 020 659 76 73

United Kingdom
t 0800 376 8660
f 0800 279 1117

All Other European Countries
t +31 (0) 206 59 60 51
f +31 (0) 206 59 76 73

LATIN AMERICA
grupoLA@corning.com

Brasil
t 55 (11) 3089-7400

Mexico
t (52-81) 8158-8400