



Report of Calibration

Vermont Forensics Laboratory

Bio-Tek Services, Inc., 5310 South Labarum Ave., Richmond, VA, 23231 1-800-732-3625
ISO/IEC 17025:2005 Accredited

Calibration Type: **As Calibrated**

Contact Name: Rebecca Mead 103 South Main St.

Location/Dept: Waterbury, VT 05671
Phone: 802-241-5279

Device ID: **HJ21337**

Cal Date: **6 - July -15**

Next Due Date: **January - 16**

Manufacturer: Thermo Scientific Fimmpipette

Size: 1000 uL

Tip used: General Tip

Method: **18094H Fixed**

Test Plan: ISO 17025, 1000uL, Fixed

Status: **Passed**

Operator: Stephen Halliday

Balance ID: BTS-BAL-012

Weight SN#: BTS-WTSET-018

Certificate#: 28892-02

Comment:

Environmental Factors

Temperature: 23.60 °C Z Factor: 1.03894 Bar Pressure: 997.00 inHg Density: 0.9974 Humidity: 59.20 % Air Density: 0.03965

SUMMARY STATISTICS

Target Volume (uL)	Channel	Mean Volume	SD	Accuracy %		Precision %		Status	Sample	Sample Wt. (mg)	Actual Volume (uL)
				Actual	Target	Actual	Target				
1,000.00	1	999.9700	0.4300	0.00	2.00	0.04	2.00	Passed	1	962.2300	999.7000
									2	963.0400	1,000.5400
									3	962.1100	999.5800
									4	962.5800	1,000.0700

Uncertainty: **0.8600** 7/29 S.R.H.

Uncertainty: 1.7

This report has been amended to accurately reflect the accredited Calibration and Measurement Capabilities of BioTek Services, Inc.

Signature:

BTS-SOP-002

Template

The calibration results reported in this certificate were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI) as specified in ISO/IEC 17025:2005. The uncertainty results reported on reverse represents the Calibration and Measurement Capabilities (CMC) of the laboratory. Act upon request and was accounted for in making Pass/Fail determinations.

See email in front of binder with letter from BioTek explaining reason for amendments.

Ken 7/30/15



Report of Calibration

Vermont Forensics Laboratory

Bio-Tek Services, Inc., 5310 South Laburnum Ave, Richmond, VA, 23231 1-800-792-5825
 ISO/IEC 17025:2005 Accredited

Calibration Type: As Found

Contact Name: Rebecca Mead 103 South Main St.
 Location/Dept: Waterbury, VT 05671
 Phone: 802-241-5279

Device ID: HJ21337 Cal Date: 6 - July -15 Next Due Date: January - 16

Manufacturer: Thermo Scientific Fimppipette Size: 1000 uL Tip used: General Tip Status: **Passed**
 Method: 1000µL Fixed Test Plan: ISO 17025, 1000uL, Fixed
 Operator: Stephen Halliday Balance ID: BTS-BAL-012 Certificate#: 28892-02
 Weight SN#: BTS-WTSET-018 Comment:

Environmental Factors Temperature: 23.60 ° C Z Factor: 1.03894 Bar Pressure: 997.00 inHg Density: 0.9974 Humidity: 59.20 % Air Density: 0.03965

SUMMARY STATISTICS											
Target Volume (uL)	Channel	Mean Volume	SD	Accuracy % Actual	Accuracy % Target	Precision % Actual	Precision % Target	Status	Sample	Sample Wt. (mg)	Actual Volume (uL)
1,000.00	1	1,004.0800	2.6400	0.41	2.00	0.26	2.00	Passed	1	969.4500	1,007.2000
									2	966.6800	1,004.3300
									3	963.2300	1,000.7400
									4	966.4000	1,004.0400

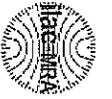
Uncertainty: ~~5.2800~~ - 7/29 S.R.H.
 Uncertainty: 5.3

This report has been amended to accurately reflect the accredited Calibration and Measurement Capabilities of BioTek Services, Inc.

Signature:

BTS-SOP-002 Template Rev. 20 April 2012

The calibration results reported in this certificate were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). This calibration meets the specifications outlined in ISO/IEC 17025:2005. The uncertainty results reported on reverse represents the Calibration and Measurement Capabilities (CMC) of the laboratory. Actual uncertainties are available from the organization upon request and was accounted for in making Pass/Fail determinations.



Report of Calibration

Vermont Forensics Laboratory

Contact Name: Rebecca Mead
Location/Dept: 103 South Main St.
Phone: 802-241-5279
Waterbury, VT 05671

Bio-Tek Services, Inc., 5310 South Laburnum Ave, Richmond, VA, 23231 1-800-792-3825
 ISO/IEC 17025:2005 Accredited

Calibration Type: **As Calibrated**

Device ID: HJ21337

Cal Date: 6 - July -15

Next Due Date: January - 16

Manufacturer: Thermo Scientific FinnpiPETte

Size: 1000 ul

Tip used: General Tip

Method: 1808PH506

Test Plan: ISO 17025, 1000ul, Fixed

Status: **Passed**

Operator: Stephen Halliday

Balance ID: BTS-BAL-012

Weight SN#: BTS-WTSET-018

Certificate#: 28892-02

Comment:

Environmental Factors

Temperature: 23.60 °C **Z Factor:** 1.03894 **Bar Pressure:** 997.00 inHg **Density:** 0.9974 **Humidity:** 59.20 % **Air Density:** 0.03965

SUMMARY STATISTICS

Target Volume (ul)	Channel	Mean Volume	SD	Accuracy % Actual Target	Precision % Actual Target	Status	Sample	Sample Wt. (mg)	Actual Volume (ul)
1,000.00	1	999.9700	0.4300	0.00	2.00	Passed	1	962.2300	999.7000
							2	963.0400	1,000.5400
							3	962.1100	999.5800
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Uncertainty: 0.8600

Signature:

BTS-SOP-002

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Report of Calibration

Bio-Tek Services, Inc., 6910 South Laburnum Ave, Richmond, VA, 23231 1-800-792-3625
ISO/IEC 17025:2005 Accredited

Calibration Type:

As Found

Vermont Forensics Laboratory

Contact Name: Rebecca Mead
Location/Dept: Phone: 802-241-5279

103 South Main St.
Waterbury, VT 05671

Device ID: HJ21337

Cal Date: 6 - July -15

Next Due Date: January - 16

Manufacturer: Thermo Scientific Finnpiipette

Size: 1000 ul

Tip used: General Tip

Method: 1900HHS06

Test Plan: ISO 17025, 1000uL, Fixed

Status: **Passed**

Operator: Stephen Halliday

Balance ID: BTS-BAL-012

Weight SN#: BTS-WTSET-018

Certificate#: 28892-02

Comment:

Environmental Factors

Temperature: 23.60 ° C Z Factor: 1.03894 Bar Pressure: 997.00 inHg Density: 0.9974 Humidity: 59.20 % Air Density: 0.03965

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							3	963.2300	1,000.7400
							4	966.4000	1,004.0400

Uncertainty: 5.2800

Signature:

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