

Volume Verification Report

for 1000 µl CO-RE 96 Probe Head

Instrument Name:	ML_STAR	Date:	2022-11-14
Instrument Serial No.:	745G	Time:	13:05
Instrument User Software Version:	4.5.0.5217 FVK2: 1020/04		
Location:	SSI Vest	Temperature [°C]:	20.7
Operator:	Niels Brønderup	Relative Humidity [%]:	48.6
Reason for Verification:	PM2		
Report File:	Report_Vol_Ver_1000ul96erPipHead_745G_202211141305.pdf		

Test Equipment:		
Balance Serial No.:	B719096888	Valid until: 2023-08-21
Calibration Weight No.:	C132337080	Valid until: 2023-08-01
Actual Weight [g]:	20.00004	Calibration Weight [g]: 20 +/- 0.00034
Reader Serial No.:	1257	Validation: passed
Reader Checkplate Serial No.:	1629	Valid until: 2023-01-25
Ambient Temperature and Humidity Measuring Device Serial No.:		
	83475586	Valid until: 2022-12-06
Reagent Kit Lot No.:	M0470	Valid until: 2023-08-10

Measurements:		
Testing Volume [µl]:	10	1000
Number of Samples:	96	96
Used Tip Type:	10µl Low Volume Tip	1000µl High Volume Tip
Liquid Density [g/cm ³]:	1.0006	1.0005
Mean Volume [µl]:	9.845	986.0
Standard Deviation [µl]:	0.124	4.7
Trueness (spec.) [%]:	<= +/- 8.00	<= +/- 2.50
Trueness (actual) [%]:	-1.55	-1.40
Precision (spec.) [%]:	<= 5.00	<= 2.00
Precision (actual) [%]:	1.26	0.48
Minimal value [µl]:	9.568	975.6
Maximal value [µl]:	10.527	1000.5
Test Result:	passed	passed

Process Status: ***passed***

Summary of channels: passed passed

Operator: NCB

Date: 14-11-2022

Signature: *Niels Brønderup*

Test results of channels:**Testing Volume: 10µl**

	1	2	3	4	5	6	7	8	9	10	11	12
A	9.81	9.78	9.93	9.92	9.96	9.72	9.71	9.71	9.86	9.84	9.66	9.73
B	9.71	9.87	9.94	9.75	10.01	9.99	9.80	10.07	9.84	9.88	9.82	9.91
C	9.91	9.87	9.89	10.06	9.90	9.97	9.87	9.84	9.86	9.83	9.96	9.83
D	9.72	9.92	9.90	9.86	9.76	9.82	9.61	9.91	9.89	9.80	9.78	9.71
E	9.86	9.87	9.88	9.93	9.94	9.97	9.64	9.94	9.80	9.82	10.03	9.88
F	9.89	9.79	9.93	9.57	9.83	9.84	9.70	9.94	9.84	9.82	9.83	9.91
G	9.80	9.84	9.95	9.72	9.87	9.82	9.77	9.84	9.91	10.53	9.87	10.00
H	9.68	9.73	9.81	9.66	9.83	9.83	9.62	9.94	9.70	9.72	9.88	9.70

Testing Volume: 1000µl

	1	2	3	4	5	6	7	8	9	10	11	12
A	993.1	980.2	982.8	987.4	987.4	985.2	984.8	991.2	986.4	986.6	987.6	989.8
B	997.6	981.3	983.5	990.8	993.8	988.3	986.1	1000.5	995.7	989.5	978.0	986.8
C	990.4	979.2	985.5	989.4	992.0	985.8	988.9	991.7	990.6	988.6	989.9	989.7
D	987.9	981.1	979.6	981.5	987.2	989.2	979.3	984.4	984.5	984.3	985.1	976.5
E	988.5	987.5	975.6	982.5	982.5	985.0	987.4	985.9	986.9	982.4	989.0	989.2
F	980.1	980.1	977.3	979.1	978.4	982.0	979.7	979.0	987.0	987.6	978.0	986.5
G	987.6	987.1	988.1	988.5	988.7	990.4	990.6	990.8	987.0	988.0	985.8	991.7
H	985.3	983.6	980.3	988.7	982.0	985.3	983.1	986.7	986.9	979.8	982.5	988.8