

iSTAT1: Appendix G – Operator Training Guide		
	Topic	Time
Introduction	<ul style="list-style-type: none"> • Training expectations • Procedure Manual • Competency Checklist • Competency Review 	2 minutes
System Overview Appendix B, C, & D	<ul style="list-style-type: none"> • Analyzer • Cartridges available for use • Cartridges (EG7+, CG4+, CHEM8+, cTnl) • Central Data Station / Data Link 	2 minutes
Specimen Collection Procedure: Patient Test	<ul style="list-style-type: none"> • Specimen Type • Volume required per cartridge type • Collection protocol • Storage and stability • Labeling • Collection factors affecting reliability of results • Criteria for specimen rejection / pre-analytical 	4 minutes
Reagents & Supplies Appendix A, C	<p>Quality Control</p> <ul style="list-style-type: none"> • Electronic Simulator • Aqueous QC <p>Cartridges</p> <ul style="list-style-type: none"> • Configuration • Handling technique • Calibration • Storage & precautions 	4 minutes
Quality Control Procedure Appendix A	<ul style="list-style-type: none"> • QC Regimen • Electronic Simulator (EQC) • Aqueous QC (AQC) – 3 levels available • TriControl and Cardiac Control • Quality Control Tolerance Limits & Corrective Action • Whole Blood QC ie. Simultaneous Draw <p style="color: blue;">DEMO & PERFORM EQC with trainee</p> <p style="color: blue;">DEMO & PERFORM AQC with trainee</p> <ul style="list-style-type: none"> • How to recognize if QC Pass/Fail – view display. Show previous Failed QC flags as examples. 	5 minutes

Topic	Time	
Patient Procedure For Analysis	<ul style="list-style-type: none"> • Precautions of the cartridge • Limitation & corrective action <p style="color: blue;">DEMO & PERFORM a Patient Test with trainee (Use one of the AQC's for solution)</p>	5 minutes
Analyzer Results Appendix F	<ul style="list-style-type: none"> • Error codes (troubleshooting guide – pg. 32) • Problem & Action Log 	2 minutes
Results Reporting Procedure: Patient Testing	<p>Workflow Overview</p> <ul style="list-style-type: none"> • Transport flow sheet • Simultaneous Draw Reporting <p>Central Data Station</p> <ul style="list-style-type: none"> • Transmitting results <p style="color: blue;">Demonstration In The Lab (will transmit AQC & "Patient Test" results performed by the trainee).</p>	5 minutes
Analysis Results Procedure: Patient Testing	<p>Reference Ranges & Critical Results</p> <p>Table – pg. 5 & 6 Patient Test Procedure Table – pg. 4&5 Appendix H Quick Reference</p>	3 minutes
Test Limitations & Interferences Procedure: Patient Testing	<p>Test Limitations & Interferences</p> <p>Table – pg. 6 & 7 Patient Test Procedure Table – pg. 6&7 Appendix H Quick Reference</p>	1 minute
Maintenance Appendix E Analyzer Coded Messages Appendix F	<p>Daily</p> <ul style="list-style-type: none"> • Clean analyzer • Decontamination process <p>Weekly</p> <ul style="list-style-type: none"> • Cartridges / storage temperature & expiration <p>Monthly</p> <ul style="list-style-type: none"> • Printing of QC - Aqueous & EQC (Lab) • Liquid QC <p>Periodic</p> <ul style="list-style-type: none"> • Lab performs Integrity testing of new cartridge shipment • Maintenance charts are current. • Analyzer temperature 	2 minutes

POCT Technologist email POCTLab@cw.bc.ca local 7521 or after hours contact local 7850 for Loaner iSTAT.

REFERENCES:

i-STAT1 System Manual. Abbott Point of Care Inc. Abbott Park, IL 60064 USA 20 JAN 2012

REVISION & APPROVAL LOG

Version	Revision Type	Description of Change	Revision Date	Technical Approval	Medical Approval
1.0		New document	25 Nov 2013	Elvira Kozak	Dr. Cathy Halstead
1.1	Minor	Document title and number change. Upload to QMS document control	22 Dec 2016		Dr. Benjamin Jung
1.2	Minor	POCT contact updated	June 24, 2019	Calvin Lee	

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