la Termenii si Condițiile de Livrare

Detalii specifice și standarde tehnice

Lotul nr. 1 Analizator hematologic, automat (5 diff), cu sistem de tip închis, imprimanta color

specific A	Specificații (minime obligatorii) solicitate Analizator hematologic automat (5 diff) cu sistem de	Specificații tehnice oferite CELL-DYN Ruby (cod: 08H67-01) (Abbott
	cacuyi de up mems destinat analizei componenței sanguine	Laboratories Diagnostic Division/USA)
	Specificația	
închis		închis
dui	impendansmetrică impendansmetrică	impendansmetrică
foto	fotometrică	Fotometrica, cu reacty cian-free
opti	optică (5 diff)	optică (5 diff)
auto	automată	automata
WBC		WBC
RBC		RBC
Hgb		Hgb
Hct		Hct
MCV		MCV
MCH		MCH
MCHC	C	MCHC
PLT		PLT
	<i>t</i>	LYM#
Parametri determinați și MON#		MON#
GRA#		GRA#
NEU#		NEU#
BAS#		BAS#
EOS#		EOS#
LYM%		LYM%
%NOW		MON%
GRA%		GRA%
NEU%		NEU%
BAS%		BAS%
EOS%		EOS%

		KUW	KDW PDW
		MUM -	PDW
		17.	
		MPV	MPV
		PCT	PCT
<u> </u>	Capacitate (probe/oră)	>100	88 probe/h
Ö	Diluarea	automată	automată
A	Afişaj	grafic	grafic
In	Imprimantă	color	color
In	Introducerea datelor	manual	manual
In	Interfața PC	da	da
A	Afișarea histogramelor	Da	Da
$\left[\widetilde{\mathbf{z}} \right]$	Stocarea datelor	da	da
	Calibrarea	automată	automată
		manuală	manuală
<u> </u>	Grafice	RBC (repartizarea eritrocitelor după volum)	RBC (repartizarea eritrocitelor după volum)
		PLT (repartizarea trombocitelor după volum)	PLT (repartizarea trombocitelor după volum)
os S	Scatergrame	WBC - 5 diff	WBC - 5 diff
		histograme	histograme
	Afisarea pe ecran a	rezultate	rezultate
	tuturor datelor-	grafice	grafice
		rezultate din arhivă	rezultate din arhivă
		date de servis	date de servis
SIS	Sistem ID reactiv	cititor barcod intergrat	cititor barcod intergrat
	•	nume pacient	nume pacient
	Monitorizarea datelor	ID pacient	D pacient
pa	pacientului	sex	sex
		vîrsta	vîrsta
W	Monitorizarea datelor	numărul lotului	numărul lotului
Da	pacientului	data expirării	data expirării
•		volumul rămas	volumul rămas
		Parametri determinați și calculați	Parametri determinați și calculați
At	Afișarea rezultatelor pe imprimantă	histograme pe parametrii de bază- RBC, WBC, PLT	histograme pe parametrii de bază- RBC, WBC, PLT
	•	date despre pacient	date despre pacient
In	Indicatori de avertizare	da	da
	Control al calitătii	în 6 nivele	în 6 nivele
	,	Construirea tabelelor și graficelor Levey-Janings	Construirea tabelelor și graficelor Levey-Janings
M	Memorie internă	> 1000 pacienți	10.000 de rezultate & grafice
A	Alimentarea	220 V, 50 Hz	220 V, 50 Hz

	Vas pentru deseuri	Vas pentru deseuri
Acceptii		
	tuburi pentru reagenți	tuburi pentru reagenți
	tuburi pentru spālare	tuburi pentru spălare
Garanția	Min. 12 luni Prezența certificatului de garanție obligatorie	12 luni. Prezența certificatului de garanție
CERTIFICÁRI ETICHETA/MANUAL DE UTILIZARE	Se vor accepta doar dispozitive marcate CE certificate conform directive! 93/42 sau a Regulamentului 2017/745 şi incluse în Registrul de Stat al Dispozitivelor Medicale; 1. Certificat de conformitate CE emis de către un organism de evaluare a conformității inclus în lista NANDO - https://ec.europa.eu/growth/tools-databases/nando/index.cfm?fuseaction=notifiedbody.main 2. Declarația de conformitate CE emisă în baza directive! 93/42 EEC sau a Regulamentului 2017/745 care face trimitere la certificatul de conformitate CE prin număr sau prin codul NOTIFY BODY. 3. ISO 13485/9001 - Sistemul de management al Calității 4. Raportul din documentația tehnică "ESSENTIAL REQUIEREMENT" 1. ETICHETA se prezintă în limba de stat și în una din limbile de circulație internațională conform H.G. 702 "pentru aprobarea Regulamentului privind condițiile de introducere pe piață a dispozitivelor medicale" Secțiunea a 7-a. "Informații furnizate de producător" și anume pct. 48. 2. INSTRUCȚIUNEA DE UTILZARE - se prezintă în limba de stat și în una din limbile de circulație internațională conform H.G. 702 "pentru aprobarea Regulamentului privind condițiile de introducere pe piață a dispozitivelor medicale" Secțiunea a 7-a. "Informații furnizate de producător" și anume pct. 51.	ISO 13485; ISO 9001; Declaratie de Conformitate STANDARDS & SAFETY COMPLIANCE:

Furnizor: «GBG-MLD » SRL
Adresa Furnizorului: str. Albisoara 64/2, mun. Chisinau, MD 2005.
Tel: 022 54 73 73 Fax: 022 54 73 73
E-mail: office@gbg.md
Semnătura autorizată:
Numele si funcția semnatarului: Tudor CEAICOVSCHI, Director General Data: 05.12.2022
L.Ş.

CELL-DYN Ruby



CELL-DYN Ruby

HEMATOLOGY ANALYZER

GET IT RIGHT THE FIRST TIME

CHOOSE TRANSFORMATION™

Achieve measurably better healthcare performance. www.corelaboratory.abbott/hematology



First Pass Efficiency. Getting It Right the First Time.



OPERATIONAL EFFICIENCY

- Offers 35 minutes of walkaway time with load up of 50 specimens
- Accommodates tubes of various sizes in open and closed modes
- Integrates with AlinIQ AMS and other popular middleware packages



FLEXIBLE AND EASY-TO-USE

- Screens are straightforward, intuitive and easy to navigate
- Features customizable views
- Quickly set up or change many analyzer options based on laboratory need or protocols







REAGENT MANAGEMENT

- Only 3 reagents required for CBC with differential
- Real-time reagent status monitoring
- RFID reagents work with AlinIQ Inventory Management System (IMS)





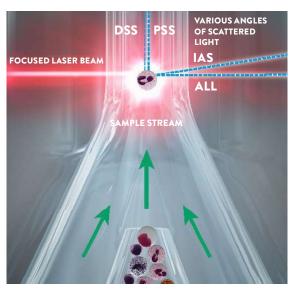
SINGLE-USE RETICULOCYTE OPTION

- Cost-effective stability until printed expiry date on package
- Reagent is available in 100 test package
- · No refrigeration required



Enhanced first pass efficiency with MAPSSTM technology

HIGHLY DISCRIMINATE, SEQUENTIAL SEPARATION USING MAPSS™ TECHNOLOGY



MAPSS™ (MULTI-ANGLE POLARIZED SCATTER SEPARATION) TECHNOLOGY PROVIDES LASER-ACCURATE OPTICAL READINGS FOR WBCs AND DIFFERENTIALS

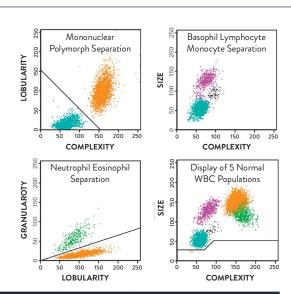
- Axial Light Loss (ALL) provides total count and size of each cell
- Intermediate Angle Scatter (IAS) indicates complexity of intracellular structure
- Polarized Side Scatter (PSS) provides details on granularity and nuclear lobularity, separating mononuclear from polymorphonuclear cells
- Depolarized Side Scatter (DSS) separates neutrophils from eosinophils

MAPSS™ LASER TECHNOLOGY A HIGHER LEVEL OF INTERROGATION

- Analysis performed on up to 10,000 cells from a single dilution, using a single reagent
- Captures up to 40,000 data points

MAPSS™ RESULTS ARE DISPLAYED IN MULTIPLE ELEGANT, COLOR-CODED SCATTERPLOTS

- Discriminates between neutrophils, eosinophils, basophils, monocytes and lymphocytes
- Identifies and flags immature cells and interfering substances

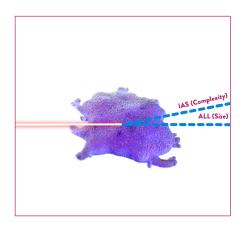


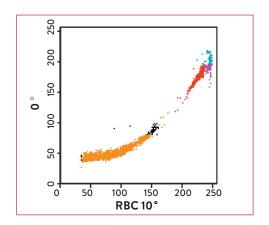
	How MAPSS™ differentiates and classifies							
	Size	Complexity	Lobularity	Granularity		Classif	ication	
Cell	0°	10°	90°	90° Depolarized	1st	2nd	3rd	4th
1	165	162	116	32	POLY	NEU	-	-
2	60	64	15	6	MONO	-	-	LYM
3	140	79	21	99	MONO	-	-	MONO
4	148	182	104	118	POLY	EOS	-	-
5	90	110	28	8	MONO	-	BASO	-

Two-dimensional Optical Platelet (PLT) Analysis

REPORTABLE PLATELET COUNTS ACROSS A WIDE VARIETY OF ABNORMAL CONDITIONS

- First Pass two-angle analysis separates the PLT and RBC populations
- Reduces interference from microcytic RBCs, schistocytes and non-platelet particles
- Obtain reportable results in the presence of giant or clumped PLTs and on thrombocytopenic samples without reflexing or extra reagents



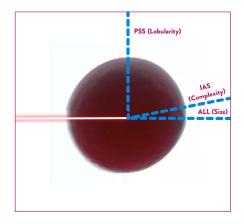


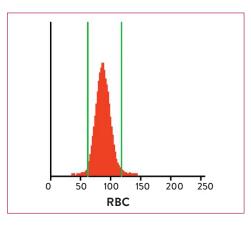
First Pass Optical Platelet Count: Platelets and RBCs are accurately sized and counted by multidimensional laser light scatter. Whole blood is diluted into a proprietary reagent system that optimizes the separation of platelets and RBCs, spheres the RBCs and reduces interference by microcytic red cells and non-platelet particles.

Three-dimensional Optical Red Blood Cell (RBC) Analysis

IMPROVES THE ACCURACY OF RED CELL MEASUREMENTS, INCLUDING RETICULOCYTES

- Comprehensive cell-by-cell measurements with readings taken at 0°, 10° and 90° by light scatter detectors enable exquisite accuracy of RBCs and reticulocytes
- Reticulocyte assay based upon NCCLS/ICSH methods



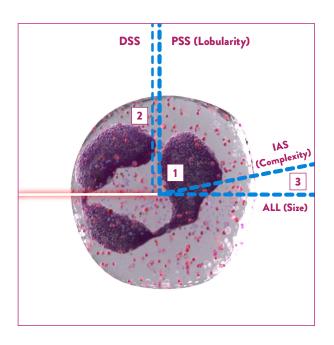


Red cell size and size distributions are displayed using a histogram constructed from the cell-by-cell volume calculated using the 0° , 10° and 90° light scatter measurements of each sphered red blood cell.

Four-dimensional White Blood Cells (WBC) Analysis

WBCs ARE COUNTED AND CLASSIFIED SO THAT RESULTS CAN BE REPORTED ON THE FIRST RUN, EVEN WHEN ABNORMAL CELLS AND INTERFERING SUBSTANCES ARE PRESENT

- Reduce manual reviews due to interference from NRBCs, clumped platelets and debris
- MAPSSTM technology can detect potential interference from lysis-resistant RBCs; the flagged samples can be re-run in the lysis-resistant mode without microscopic review (Figure 1 and 2)



- Neutrophils and eosinophils are separated from lymphocytes, monocytes and basophils by differences in their complexity and lobularity.
- Neutrophils are separated from eosinophils by virtue of their different characteristics in scattering polarized (PSS) and depolarized (DSS) light.
- Basophils are separated using both size (ALL) and complexity (IAS) readings, allowing lymphocytes and monocytes to be separated by size (ALL) information.

The net result of the simultaneous laser scatter readings is excellent discrimination among the 5 normal cell populations.

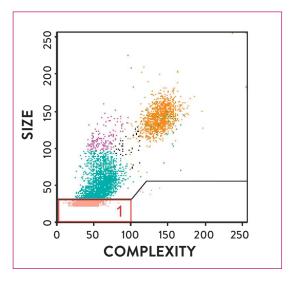


Figure 1: The occurrence of a significant population of cells occurring below the dynamic WBC Optical Count (WOC) threshold can suggest the presence of lysis-resistant RBCs.

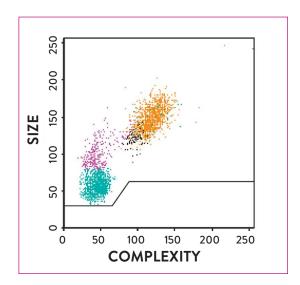


Figure 2: In cases where lysis-resistant RBCs occur, the sample is re-run in the resistant RBC mode to provide the 5 part differential.

CELL-DYN Ruby

Touch-Screen Convenience & Flexibility With Multifaceted Software

ENHANCE WORKFLOW EFFICIENCY WITH QC MANAGEMENT, USER-DEFINABLE DECISION RULES, SMART SOFTWARE FEATURES AND ABBOTTLINK

QUALITY CONTROL

- Users can store up to 500 quality control files
- Multiple Westgard Rules are available to select from
- Moving averages available for RBC, WBC, differential, PLT, and reticulocyte parameters

USER-FRIENDLY SOFTWARE PACKAGE

- Context-sensitive help menus
- Calibration wizard
- On-board maintenence videos available
- Software available in multiple languages

DATA MANAGEMENT

- Rules-based result annotations allow you to standardize lab processes to meet your laboratory's needs
- Program up to 100 rules and up to 48 result annotations to help streamline your data management processes

AbbottLink® DRM

- AbbottLink® is a Device Relationship Management system that allows Abbott to gather system data
- Data is encrypted and transferred over the internet to help improve the troubleshooting process

Harmonize Laboratory Data With AlinIQ AMS Middleware

INCREASE OPERATIONAL EFFICIENCY

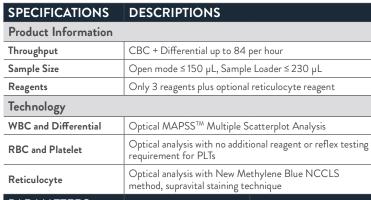
With AlinIQ AMS (Analyzer Management System) middleware, you can standardize operations across your laboratory system to increase resource utilization. AlinIQ AMS is an open, scalable solution that can connect virtually any analyzer or automation system to the LIS to better manage the flow of data throughout the entire workflow process.

AlinIQ AMS FUNCTIONALITY

- Test Management: Hematology results views and advanced autoverification rules for consistent results management
- Sample Management: Monitor steps in the sample workflow and tube logistics between facilities
- Historical Reports: Better understand and manage laboratory performance
- Equipment Management: Centralize the monitoring and control of analyzers and automation systems
- Quality Management: Tools designed to help with ISO 17025 compliance



CELL-DYN Ruby



PARAMETERS			
White Cells	Red Cells		Platelets
WBC	RBC	RDW	PLT
NEU # and %	HGB	RETIC	MPV
LYM # and %	НСТ		PCT*
MONO # and %	MCV		PDW*
EOS # and %	МСН		*Clinical significance has not been established for PCT and
BASO # and %	мснс		PDW. Therefore, they are not reportable in the US.

ANALYTICAL MEASUREMENT RANGES			
Parameter	AMR	Units	
WBC	0.02 - 246.8	x 10 ³ /µL	
RBC	0.00 – 7.50	x 10 ⁶ /µL	
HGB	0.0 – 25.0	g/dL	
НСТ	8.3 – 79.8	%	
MCV	58 – 139	fL	
RDW	10.0 – 29.8	%	
PLT	0.00 – 3000	x 10 ³ /µL	
MPV	4.3 – 17.2	fL	

ELECTRICAL REQUIREMENTS				
Module	Voltage	Frequency	Max current	Max power consumption
Analyzer	100 – 240 VAC	50/60 Hz	5.0 – 2.2 amps	550 watts
Display	100 - 240 VAC	50/60 Hz	1.5 amps	50 watts

SYSTEM MEASUREMENTS				
Module	Height	Width	Depth	Weight
Analyzer	49.9 cm (19.25 in.)	86.4 cm (34.0 in.)	76.8 cm (30.25 in.)	105.2 kg (232.0 lbs.)
Printer	Refer to the prin	ter manufacturer's	specifications	

DATA MANAGEMENT

Microsoft Windows based Operating System

Rules-based result annotations

- Decision rules
- Up to 100 rules
- Up to 48 result annotations
- Fully customizable

Touch Screen Monitor

Full on-board QC

- Summary statistics and Levey-Jennings plots
- Moving averages (including WBC differential)
- Westgard rules

10,000 results stored with graphics

Work list capability

Programmable patient and report limits

Complete patient demographics

Bar code reading: Code 39, Codabar, Code 128, Interleaved 2 of 5, ISBT

Auto-calibration online guide

On-board diagnostics and help videos

OPERATING ENVIRONMENT TEMPERATURE

15°C (59°F) to 30°C (86°F)

HUMIDITY

≤ 80 % relative humidity, non-condensing indoor use

STANDARDS & SAFETY COMPLIANCE

- UL 61010-1
- IEC 61010-1
- CAN/CSA-C22.2
- IEC 60825-1
- No. 61010-1
- IEC 61326-1

• ETL

- IEC 61325-2-6
- CE Mark

ORDERING INFORMATION

- 08H67-01 CELL-DYN Ruby analyzer
- 09H04-03 Accessory kit (RoHS)
- 08H02-0619" Touch screen flat panel display
- 08H14-01 Membrane keyboard





Achieve measurably better healthcare performance. www.corelaboratory.abbott/hematology

Rx Only



CELL-DYN Ruby is a Class 1 laser product. For *in vitro* diagnostic use only.

Refer to the Operator's Manual for operational precautions, limitations, and hazards. Manuals may be found on the www.corelaboratory.abbott website.

CELL-DYN Ruby, AlinIQ, AbbottLink and CHOOSE TRANSFORMATION are trademarks of Abbott Laboratories in various jurisdictions.

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15-00-202	13-02-2021
00001	11000
0-000	Ngo-togo
I O O O IM-DOD	GDG-MLD S.N.L.
ABBOTT	LABORATORIES
VIIV	400
000167-01	TO_/0LIO0
VOLIA NVA PLIBY	CELL-DIN NOBI
ANALIZATOR	HEMATOLOGIC
MODESCOOM	DMOODSYNSA







Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

Abbott Laboratories Diagnostics Division

100 Abbott Park Road

Abbott Park Illinois 60064 USA

Holds Certificate Number: FM 743464

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

Design, Manufacture, Development, Installation, Service and Support of In Vitro Diagnostic Products including Test Kits, Reagents, Accessories and Instruments.

For and on behalf of BSI:

Matt Page, Managing Director Assurance - UK & Ireland

Original Registration Date: 2018-10-12 Effective Date: 2021-10-13 Latest Revision Date: 2022-04-12 Expiry Date: 2024-10-12

Page: 1 of 2





...making excellence a habit.™

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated online. Printed copies can be validated at www.bsigroup.com/ClientDirectory

Certificate No: FM 743464

Location	Registered Activities
Abbott Laboratories Diagnostics Division 100 Abbott Park Road Abbott Park Illinois 60064 USA	Design, Manufacture, Development, Installation, Service and Support of In Vitro Diagnostic Products including Test Kits, Reagents, Accessories and Instruments.
Abbott Laboratories Diagnostics Division - Conway Park 675 North Field Drive Lake Forest Illinois 60045 USA	Oversight of the Quality Management System for the Abbott Diagnostics Division Sites
Abbott Laboratories Diagnostics Division - K Complex - Distribution Center Route 41 & Martin Luther King Drive North Chicago Illinois 60064 USA	QC Inspection of incoming materials and distribution of IVD products including test kits, reagents, accessories and instruments.

Original Registration Date: 2018-10-12 Effective Date: 2021-10-13 Latest Revision Date: 2022-04-12 Expiry Date: 2024-10-12

Page: 2 of 2

This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract. An electronic certificate can be authenticated <u>online</u>. Printed copies can be validated at www.bsigroup.com/ClientDirectory

(4)

CERTIFICATE OF REGISTRATION

Abbott Laboratories

Lake County Site 100 Abbott Park Road Abbott Park, IL 60064 UNITED STATES

D-U-N-S ID No. 001307602

UL Medical Regulatory Services of UL LLC®(UL) issues this certificate to the Firm named above, after auditing the Firm's quality management system and finding it in conformance per the defined scope with respect to:

ISO 13485:2016

with additional regulatory requirements listed on final page of this certificate.

Design, development and manufacture of diagnostic test kits and reagents.

The design and manufacture of in-vitro diagnostic medical devices, used in the screening of blood donor units for transmissible diseases. The design and manufacture of in-vitro diagnostic medical devices used in the diagnosis, management and detection of cancer, autoimmune status, cardiac markers, endocrine disorders, and for therapeutic drug monitoring.

With additional locations listed on Addendum: 1

Authorized by

MEDICAL DEVICE SINGLE AUDIT PROGRAM

Michael J. Windler, P.E.

Manager of Global Regulatory Service

Distinguished Member of the Technical Staff

UL Life and Health Sciences
UL LLC

Check Certificate
Status: here

File Number Certificate Number Initial Issue Date A18075 1068.180319 December 1, 2017 Cycle Start Date Effective Date Expiry Date December 1, 2017 March 19, 2018 November 30, 2020

This quality system registration is included in UL's Directory of Registered Firms and applies to the provision of goods and/or services as specified in the scope of registration from the address(es) shown above. By issuance of this certificate the firm represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and remains the property of UL Medical and Regulatory Services of UL LLC.

Certificates may be verified by visiting the Online Certifications Directory on UL.com.



UL Medical and Regulatory Services UL, LLC is an MDSAP Recognized Auditing Organization

UL LLC 333 Pfingsten Road Northbrook, IL 60062-2096 USA



CERTIFICATE OF REGISTRATION

Abbott Laboratories

Lake County Site 100 Abbott Park Road Abbott Park, IL 60064 UNITED STATES

D-U-N-S ID No. 001307602

Addendum 1

2 - OS Route 41 & Martin Luther King Drive
Located at: North Chicago, IL 60064 UNITED STATES

D-U-N-S ID No. 078524918

Performing: QC inspection of incoming materials and products. The storage and distribution of in vitro diagnostic reagents, test kits and accessories.

3 - S 6131 RFD Oakwood Road

Located at: Long Grove , IL 60064 UNITED STATES

D-U-N-S ID No. 113839302

Performing: Antibody production.

File Number A18075 Cycle Start Date December 1, 2017
Certificate Number 1068.180319 Effective Date March 19, 2018
Initial Issue Date December 1, 2017 Expiry Date November 30, 2020

This quality system registration is included in UL's Directory of Registered Firms and applies to the provision of goods and/or services as specified in the scope of registration from the address(es) shown above. By issuance of this certificate the firm represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and remains the property of UL Medical and Regulatory Services of UL LLC.

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UL Medical and Regulatory Services UL, LLC is an MDSAP Recognized Auditing Organization

UL LLC 333 Pfingsten Road Northbrook, IL 60062-2096 USA

(4)

CERTIFICATE OF REGISTRATION

Abbott Laboratories

Lake County Site 100 Abbott Park Road Abbott Park, IL 60064 UNITED STATES

D-U-N-S ID No. 001307602

Additional Regulatory Requirements

Australia:

- Therapeutic Goods (Medical Devices) Regulations, 2002, Schedule 3 Part 1 (excluding Part 1.6) – Full Quality Assurance Procedure [if design controls are part of the certification];

Brazil:

- RDC ANVISA n. 16/2013
- RDC ANVISA n. 23/2012
- RDC ANVISA n. 67/2009

Canada:

- Medical Devices Regulations - Part 1- SOR 98/282

Japan

- MHLW Ministerial Ordinance 169, Article 4 to Article 68
- PMD Act (,as applicable)

United States:

- 21 CFR 820
- 21 CFR 803
- 21 CFR 806
- 21 CFR 807 Subparts A to D
- 21 CFR 821 (where applicable)

File Number A18075 Cycle Start Date December 1, 2017
Certificate Number 1068.180319 Effective Date March 19, 2018
Initial Issue Date December 1, 2017 Expiry Date November 30, 2020

This quality system registration is included in UL's Directory of Registered Firms and applies to the provision of goods and/or services as specified in the scope of registration from the address(es) shown above. By issuance of this certificate the firm represents that it will maintain its registration in accordance with the applicable requirements. This certificate is not transferable and remains the property of UL Medical and Regulatory Services of UL LLC.

Certificates may be verified by visiting the Online Certifications Directory on UL.com.



UL Medical and Regulatory Services UL, LLC is an MDSAP Recognized Auditing Organization

UL LLC 333 Pfingsten Road Northbrook, IL 60062-2096 USA



Customer Service Organization Certificate of Technical Competence

This is to acknowledge that

Sergiu Sorocovici

has met Abbott's Service Certification Criteria for

CELL-DYN Ruby Field Service Certification Exam

29/06/2018

Manager
I certify that this individual has completed the program requirements

I certify that on the dates above, this individual has completed the program requirements for Instrument Certification

Abbott Diagnostics Division <u>Abbott</u> Laboratories 2016



Customer Service Organization Certificate of Technical Competence

This is to acknowledge that

Ion Negru

has met Abbott's Service Certification Criteria for

CELL-DYN Ruby Field Service Certification Exam

29/06/2018

Manager
I certify that this individual has completed the program requirements

I certify that on the dates above, this individual has completed the program requirements for Instrument Certification

Abbott Diagnostics Division
<u>Abbott</u> Laboratories 2016