

Part 1 of 3	Abbott Diabetes Care Alameda, CA 877-643-2098 www.myfreestyle.com/fspp	Abbott Diabetes Care Alameda, CA 877-643-2098	Arkray Edina, MN 800-818-8877 www.arkrayusa.com
For additional information about bedside glucose testing systems, see www.greenarrowdx.com			
Name of instrument/First year sold	Freestyle Precision Pro Blood Glucose and β-Ketone Monitoring System/2013	Precision Xceed Pro Blood Glucose and β-Ketone Monitoring System/2008	Assure Platinum/2010
Professional or home use	professional	professional	professional
Total units sold in U.S./Total units sold outside U.S.	—	—	—
No. of contracts for product signed in 2021	—	—	—
Dimensions (H × W × D)/Weight	length: 7.85 in. ±.08; width: 2.93 in. ±.08; thickness: 1.92 in. ±.08/10.58 oz. ±.51	7.7 × 2.96 × 1.2 in./9 oz.	4.5 × 2.5 × 1.2 in./2.8 oz.
Analytical method or technology or enzyme system used	glucose-specific GDH-NAD enzyme and low applied voltage to minimize interference; β-hydroxybutyrate, the predominant blood ketone associated with DKA	glucose-specific GDH-NAD enzyme and low applied voltage to minimize interference; β-hydroxybutyrate, the predominant blood ketone associated with DKA	glucose oxidase
No. of disposable reagent system units per basic package	glucose: 100 individually wrapped strips; ketone: 50 individually wrapped strips	glucose: 100 individually wrapped strips; ketone: 50 individually wrapped strips	50 or 100
Disposable units shelf life	18 months	18 months	18 months
Reagent unit storage requirements	39°–86°F (4°–30°C)	39°–86°F (4°–30°C)	39°–86°F
Digital readout character size/Keypad input capability	variable/alphanumeric keypad	variable/alphanumeric keypad	—
How results are displayed	plasma equivalent glucose values	plasma equivalent glucose values	true values
Specimen types	glucose and ketone: fresh capillary, venous, arterial, or neonatal whole blood	glucose and ketone: fresh capillary, venous, arterial, or neonatal whole blood	whole blood
Sampling techniques	top-fill or end-fill sample application	top-fill or end-fill sample application	drop
Minimum specimen volume required	glucose: 0.6 µL; ketone: 1.5 µL	glucose: 0.6 µL; ketone: 1.5 µL	0.5 µL
Suitable for samples from well neonates/Sick neonates	yes/yes	yes/yes	no/no
Time from sample introduction to result availability	glucose: 5 seconds; ketone: 10 seconds	glucose: 20 seconds; ketone: 10 seconds	7 seconds
Batteries used/No. used/Average life of one set of batteries	AA alkaline, lithium, nickel cadmium, or NiMH rechargeable/depends on type/depends on use	AA alkaline or NiMH rechargeable/depends on type/depends on use	AAA/2/5,000 tests with 4 tests per day
Average expected life of device	—	—	5 years
Device warranty	1 year or contract term	1 year or contract term	5 years
Service options/Loaners provided	replacement/no	replacement/no	—/yes
User list or user group	—	—	no
Toll-free No. for customer questions/Hours of operation	877-529-7185/24 hours, 7 days, all year	877-529-7185/24 hours, 7 days, all year	800-818-8877/24 hours, 7 days
Training and certification program/No. of training days provided	yes/based on implementation plan	yes/based on implementation plan	yes/one on site
Internal QC recommended or required	as defined by facility or institutional policy	as defined by facility or institutional policy	control solution testing
Accuracy	capillary blood glucose results: 100% within ±15 mg/dL or ±15%; 95.1% within ±10 mg/dL or ±10%	capillary blood glucose results: 97% within ±15 mg/dL or ±20%	slope=1.0, y-inter.= –2.33, r=0.99
• Compared with what reference method or device	YSI glucose analyzer	YSI glucose analyzer	YSI model 2300 glucose analyzer
Precision	repeatability: pooled whole blood SD 2.8 mg/dL at concentrations <75 mg/dL and <3.6% CV for concentrations ≥75 mg/dL; intermediate precision: pooled whole blood SD 2.8 mg/dL at concentrations <75 mg/dL and <5.0% for concentrations ≥75 mg/dL	repeatability: CV ranges from 3.0% to 4.9% across AMR	results for glucose concentration ≥75 mg/dL: 100% within ±20%; 96% within ±15%; 79% within ±10%; 53% within ±5%; results for glucose concentration <75 mg/dL: 100% within ±15 mg/dL; 100% within ±10 mg/dL; 88% within ±5 mg/dL
• Compared with what reference method or device	—	—	YSI model 2300 glucose analyzer
Linear range	glucose: 20–500 mg/dL; ketone: 0–8 mmol/L	glucose: 20–500 mg/dL; ketone: 0–8 mmol/L	20–600 mg/dL
Suggested dynamic or measurement range	glucose: 20–500 mg/dL; ketone: 0–8 mmol/L	glucose: 20–500 mg/dL; ketone: 0–8 mmol/L	20–600 mg/dL
Contraindications	yes (per labeling)	yes (per labeling)	yes (per labeling)
Known interferences	yes (per labeling)	yes (per labeling)	yes
High-altitude interference	none (tested up to 7,200 feet)	none (tested up to 7,200 feet)	none, up to 10,000 feet
Restrictions based on hematocrit	yes, hematocrit range: 15–65%	yes, hematocrit range: 20–70%	yes, hematocrit range: 30–55%
Electronic and optical function checks	battery, barcode scanner, database, and temperature checks performed during power-up	battery, barcode scanner, database, and temperature checks performed during power-up	battery, test strip, temperature, EEPROM, measurement, self-check, transmission, and thermistor errors
Sample quantity checks	test strip contains fill-trigger electrode designed to start the test when sufficient sample is detected	test strip contains fill-trigger electrode designed to start the test when sufficient sample is detected	fill-trigger electrode on each test strip designed to start the test when sufficient sample is detected
When auto lock or shutdown occurs	configurable lockout for operator certification, strip lot, upload, and QC requirements	configurable lockout for operator certification, strip lot, upload, and QC requirements	—
User can define QC lockout intervals/QC lockout can be circumvented	yes/no	yes/no	yes/yes
Information for which device supports barcode scanning	operator ID, patient ID, strip lot, QC, comment code, and free text field data	operator ID, patient ID, strip lot, QC, comment code, and free text field data	—
Method of analyst ID/ID required	scan or manual entry/required	scan or manual entry/required	—
Internal memory size	patient test results: 2,500; control test results: 1,000; patient IDs: 6,000; operator IDs: 6,000; test strip lots: 36 (18 glucose, 18 ketone)	patient test results: 2,500; control test results: 1,000; patient IDs: 6,000; operator IDs: 6,000; test strip lots: 36 (18 glucose, 18 ketone)	500 tests
Maximum No. of patient results stored	same as internal memory size	same as internal memory size	500 tests
Meter connections for information transfer	data-management system, which connects to LIS/HIS	data-management system, which connects to LIS/HIS	—
How meters are connected to external system to upload results	real-time wireless data transfer via meter or through docking station connected to ethernet	data transfer via docking station connected to ethernet or wireless workstation	—
Information contained in transmission to external system	device unique identifier, operator ID, patient ID, reagent and QC lot numbers, test results, comment codes, and free text entry	device unique identifier, operator ID, patient ID, reagent and QC lot numbers, test results, comment codes, and free text entry	—
Hardware and software for data-management system	compatible with data-management systems from Abbott, Orchard, Siemens, and Telcor	compatible with data-management systems from Abbott, Orchard, Siemens, and Telcor	—
Information downloaded from DMS to meter	operator list, patient list, strip lot list, adjusted QC ranges, and meter configuration settings	operator list, patient list, strip lot list, adjusted QC ranges, and meter configuration settings	—
LISs/HISs to which system is connected (live installs) using:			
• Screen animation/Screen scraping	—	—	—
• Standard HL7 interface	—	—	—
• Proprietary protocol interface	—	—	—
Use 3rd-party interfacing tool or engine for LIS or HIS interfaces	yes, via Abbott, Orchard, Siemens, or Telcor	yes, via Abbott, Orchard, Siemens, or Telcor	—
LOINC can be used to identify tests when communicating with LIS	yes	yes	—
Distinguishing features (supplied by company)	<ul style="list-style-type: none">individually foil-wrapped test strips support a no-touch procedure and vial-free solution, which assists in complying with CDC and CLSI recommendations for bedside testing supplies1D/2D barcode reader; real-time dual band wireless data transmission; TrueID technology with active patient ID confirmation, which assists in complying with the Joint Commission's NPSG.01.01.01hematocrit compensation algorithmreplaceable strip port module	<ul style="list-style-type: none">individually foil-wrapped test strips support a no-touch procedure and vial-free solution, which assists in complying with CDC and CLSI recommendations for bedside testing suppliesTrueID technology with active patient ID confirmation, which assists in complying with the Joint Commission's NPSG.01.01.01replaceable strip port module	<ul style="list-style-type: none">hypoglycemic alert: audio alert is designed to improve resident safetyqcProGuard: control solution test notifications provide additional quality controlProGrip: rubberized case design for secure handlingother features: auto coding, LCD backlit display, and test strip ejector
Note: a dash in lieu of an answer means company did not answer question or question is not applicable			

Part 2 of 3 For additional information about bedside glucose testing systems, see www.greenarrowdx.com	Arkray Edina, MN 800-818-8877 www.arkrayusa.com	Nova Biomedical Nova Sales info@novabio.com Waltham, MA 781-894-0800 or 800-458-5813 www.novabiomedical.com	Nova Biomedical Nova Sales info@novabio.com Waltham, MA 781-894-0800 or 800-458-5813 www.novabiomedical.com
Name of instrument/First year sold	Assure Prism multi/2015	StatStrip Xpress2 Glucose Hospital Meter System/2016	StatStrip Glucose Hospital Monitoring System/2006
Professional or home use Total units sold in U.S./Total units sold outside U.S. No. of contracts for product signed in 2021 Dimensions (H × W × D)/Weight Analytical method or technology or enzyme system used	professional — — 3.66 × 2.2 × 0.83 in./2.1 oz. glucose oxidase	professional — — 3.9 × 2.4 × 0.9 in./2.77 oz. (78.5 g) electrochemical	professional — — 5.8 × 3.1 × 1.18 in./0.49 lb. (220 g) electrochemical
No. of disposable reagent system units per basic package Disposable units shelf life Reagent unit storage requirements	50 or 100 18 months 34°–86°F	50 test strips per vial 24 months from date of manufacture room temperature	50 test strips per vial 24 months from date of manufacture room temperature
Digital readout character size/Keypad input capability	—	variable (defined by the particular field or menu)/menu selection	variable (defined by the particular field or menu)/menu selection, numeric, alphabetic
How results are displayed Specimen types Sampling techniques Minimum specimen volume required Suitable for samples from well neonates/Sick neonates Time from sample introduction to result availability Batteries used/No. used/Average life of one set of batteries	true values whole blood drop 0.5 µL no/no 5 seconds 3v lithium (disposable, type CR2032)/2/1,000 tests	plasma equivalent values whole blood drop, capillary transfer 1.2 µL yes/yes 6 seconds AAA/2/minimum 600 tests	plasma equivalent values whole blood drop 1.2 µL yes/yes 6 seconds 3.7v Li-polymer (rechargeable, replaceable)/1/24–36 months >5 years 2 years (optional 5-year extended warranty) meter replacement/yes
Average expected life of device Device warranty Service options/Loaners provided	3 years 3 years —/yes	>5 years 2 years (optional 5-year extended warranty) meter replacement/yes	>5 years 2 years (optional 5-year extended warranty) meter replacement/yes
User list or user group Toll-free No. for customer questions/Hours of operation Training and certification program/No. of training days provided	no 800-818-8877/24 hours, 7 days yes/one on site	no 800-458-5813/24 hours, 7 days, all year yes/defined during implementation planning	no 800-458-5813/24 hours, 7 days, all year yes/defined during implementation planning
Internal QC recommended or required	control solution testing	CLIA requirements, two levels per day or per hospital policy	CLIA requirements, two levels per day or per hospital policy
Accuracy • Compared with what reference method or device	slope=1.0, y-inter.= –7.39 mg/dL, r=0.99 YSI model 2300 glucose analyzer	>97% versus IDMS-traceable laboratory reference method tested to CLSI POCT 12-A3 criteria (r2=0.994)	>97% versus IDMS-traceable laboratory reference method tested to CLSI POCT 12-A3 criteria (r2=0.994)
Precision • Compared with what reference method or device	results for glucose concentration ≥75 mg/dL: 100% within ±20%; 98% within ±15%; 80% within ±10%; 42% within ±5%; results for glucose concentration <75 mg/dL: 100% within ±15%; 100% within ±10%; 100% within ±5% YSI model 2300 glucose analyzer	within run=1.9–3.6% (whole blood) and day to day=3.4–4.7% (linearity standards) —	within run=1.9–3.6% (whole blood) and day to day=3.4–4.7% (linearity standards) —
Linear range Suggested dynamic or measurement range Contraindications Known interferences High-altitude interference Restrictions based on hematocrit Electronic and optical function checks	20–600 mg/dL 20–600 mg/dL yes (per labeling) yes (per labeling) none, up to 10,000 feet yes, hematocrit range: 20–60% battery, test strip, temperature, system, and sample errors	10–600 mg/dL (0.5–33.3 mmol/L) 10–600 mg/dL (0.5–33.3 mmol/L) none none none, up to 15,000 feet no electronic checks for out-of-range glucose results, dosing, out-of-range Hct results RapidFill sampling electronically checks for correct strip dosing	10–600 mg/dL (0.5–33.3 mmol/L) 10–600 mg/dL (0.5–33.3 mmol/L) none none none, up to 15,000 feet no electronic checks for out-of-range glucose results, dosing, out-of-range Hct results RapidFill sampling electronically checks for correct strip dosing
Sample quantity checks When auto lock or shutdown occurs	fill-trigger electrode on each test strip designed to start the test when sufficient sample is detected user flags control solution tests when conducted	—	—
User can define QC lockout intervals/QC lockout can be circumvented Information for which device supports barcode scanning Method of analyst ID/ID required Internal memory size Maximum No. of patient results stored	no/no no barcode scanner — 500 tests 500 tests	no/— no barcode scanner none/— 400 tests total (FIFO) 400 tests total (FIFO) patient and QC tests	yes/no operator ID, patient ID, reagent lot No., QC lots barcode scan or virtual keypad input/yes 1,000 patient samples, 200 QC samples, 8,000 operators 1,000 patient samples
Meter connections for information transfer	—	—	NovaNet data-management system, which in turn connects to LIS/HIS
How meters are connected to external system to upload results Information contained in transmission to external system	— —	— —	hospital network, real-time wireless (RF Nova) device unique identifier, operator ID, patient ID, result, QC identifier
Hardware and software for data-management system	—	none	connects to Telcor QML, RALS Web 3, Orchard Trellis, UniPOC, POCellerator, Aqure, BioConnect, Qvera, others
Information downloaded from DMS to meter	—	—	strip lot numbers, valid control values, valid operator IDs, patient demographics (with ADT interface), configuration files, physician ID, diagnostic codes, physician notes
LISs/HISs to which system is connected (live installs) using: • Screen animation/Screen scraping • Standard HL7 interface • Proprietary protocol interface	— — — —	— — — —	— Meditech, Cerner, Orchard, others Meditech, Cerner, Orchard, others
Use 3rd-party interfacing tool or engine for LIS or HIS interfaces	—	—	yes, Telcor QML, RALS Web 3, UniPOC, POCellerator, Aqure, BioConnect, Qvera, others
LOINC can be used to identify tests when communicating with LIS	—	—	yes
Distinguishing features (supplied by company)	• optimized readout display: large, thick numbers are intended to improve readability • compact design: small, lightweight design provides better portability • ProGrip: rubberized case design for secure handling • other features: auto coding, LCD backlit display, and test strip ejector	• only meter FDA cleared for use with all sample types, including capillary, in critically ill patients • measures and eliminates interferences from hematocrit, oxygen, acetaminophen, ascorbic acid, uric acid, and other electrochemical substances; no interference from maltose, galactose, or xylose; unlimited manual test entry • only meter CLIA waived for use with all patients, in all departments, on all sample types	• only meter FDA cleared for use with all sample types, including capillary, in critically ill patients • measures and eliminates interferences from hematocrit, oxygen, acetaminophen, ascorbic acid, uric acid, and other electrochemical substances; no interference from maltose, galactose, or xylose; unlimited manual test entry • only meter CLIA waived for use with all patients, in all departments, on all sample types
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Part 3 of 3	Roche Diagnostics Corp. Roche Customer Support Center Indianapolis, IN 800-440-3638 http://go.roche.com/informii
For additional information about bedside glucose testing systems, see www.greenarrowdx.com	
Name of instrument/First year sold	Accu-Chek Inform II/2012
Professional or home use	professional
Total units sold in U.S./Total units sold outside U.S.	—
No. of contracts for product signed in 2021	—
Dimensions (H × W × D)/Weight	1.85 × 3.62 × 7.48 in./12.24 oz. (347 g)
Analytical method or technology or enzyme system used	electrochemical (AC/DC), mutant variant quinoprotein glucose dehydrogenase
No. of disposable reagent system units per basic package	50 strips per vial
Disposable units shelf life	18 months
Reagent unit storage requirements	39°–86°F (4°–30°C)
Digital readout character size/Keypad input capability	test results are 48-point font/menu selection, numeric, alphabetic
How results are displayed	true values
Specimen types	whole blood
Sampling techniques	drop
Minimum specimen volume required	0.6 µL
Suitable for samples from well neonates/Sick neonates	yes/yes
Time from sample introduction to result availability	5 seconds
Batteries used/No. used/Average life of one set of batteries	3.7v Li-polymer (rechargeable)/1/5 years
Average expected life of device	5 years
Device warranty	1 year or contract term
Service options/Loaners provided	—/no
User list or user group	no
Toll-free No. for customer questions/Hours of operation	800-440-3638/24 hours, 7 days, all year
Training and certification program/No. of training days provided	yes/defined during implementation planning
Internal QC recommended or required	—
Accuracy	capillary: r=0.993; venous: r=0.995; arterial: r=0.990; neonatal: r=0.976
• Compared with what reference method or device	hexokinase method traceable to NIST
Precision	controls: low SD=1.2 mg/dL, mid SD=2.2, high SD=4.6; low CV=2.6%, mid CV=1.9%, high CV=1.5%; blood: 1 SD=1.2 mg/dL, 3 SD=4.2 mg/dL, 5 SD=9.5 mg/dL; 1 CV=3.3%, 3 CV=3.4%, 5 CV=3.0%
• Compared with what reference method or device	hexokinase method traceable to NIST
Linear range	10–600 mg/dL
Suggested dynamic or measurement range	10–600 mg/dL
Contraindications	yes (per labeling)
Known interferences	yes (per labeling)
High-altitude interference	none, up to 10,000 feet
Restrictions based on hematocrit	yes, hematocrit range: 10–65%
Electronic and optical function checks	150 integrity checks, including variation in hematocrit, temperature, and humidity
Sample quantity checks	sampling checked electronically for complete sample dosing
When auto lock or shutdown occurs	user ID failure, QC failure, download interval lockout (all configurable)
User can define QC lockout intervals/QC lockout can be circumvented	yes/no
Information for which device supports barcode scanning	operator ID, patient ID, reagent lot No.
Method of analyst ID/ID required	alphanumeric or barcode scan/yes
Internal memory size	1,000 results, 5,000 operator IDs, 4,000 patient IDs, 300 predefined comments
Maximum No. of patient results stored	—
Meter connections for information transfer	data-management system, which connects to LIS/HIS
How meters are connected to external system to upload results	hospital network, real-time wireless
Information contained in transmission to external system	device unique identifier, operator ID, patient ID, result, QC identifier, strip lot numbers, proficiency and linearity samples, comments
Hardware and software for data-management system	Roche cobas infinity POC application for connection to third-party DMS, including Telcor QML, Abbott RALS
Information downloaded from DMS to meter	strip lot numbers, valid control values, valid operator IDs, patient IDs, meter configuration, linearity lot numbers and values, comments
LISs/HISs to which system is connected (live installs) using:	—
• Screen animation/Screen scraping	—
• Standard HL7 interface	—
• Proprietary protocol interface	—
Use 3rd-party interfacing tool or engine for LIS or HIS interfaces	yes, Telcor QML or Abbott RALS
LOINC can be used to identify tests when communicating with LIS	yes
Distinguishing features (supplied by company)	<ul style="list-style-type: none">• 150 individual quality checks are conducted prior to measuring the glucose concentration• patented dual-current AC/DC meter technology checks a range of variables including compensation for hematocrit• adjustable workflow option for isolation patients; live 24/7/365 customer care service and support
Note: a dash in lieu of an answer means company did not answer question or question is not applicable	

All information is supplied by the companies listed. The tabulation does not represent an endorsement by the CAP.

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