

Part 1 of 7	AP Easy Software Solutions Tracy Terrio sales@apeasy.com Manchester, NH 800-647-2263 www.apeasy.com	Cerner Jennifer Smith jennifer.smith@cerner.com Kansas City, MO 816-201-3923 www.cerner.com	Comp Pro Med Megan Zelenak sales@comppromed.com Santa Rosa, CA 707-890-6589 www.comppromed.com
Name of anatomic pathology system	AP Easy	Cerner Anatomic Pathology	Polytech for Pathology
How AP system functionality is deployed	available as local server/software and cloud based	available as local server/software, ASP, and cloud based	available as local server/software, ASP, and cloud based
Configuration of AP system	available as a standalone product designed to interface with any company's LIS and EHR	available as a dedicated module for Cerner's clinical LIS and EHR and as a standalone product designed to interface with any company's LIS and EHR (<1% of installations use AP system as a standalone product)	available as a dedicated module for Comp Pro Med's clinical LIS and as a standalone product designed to interface with any company's LIS and EHR
Year company began selling AP systems (any brand or model)	1989	1982	2022
Most recent installation of this AP system*	November 2021	November 2021	— (new product)
Last product release or update for featured AP system*	December 2021 (cloud version)	October 2021 (version 2018.09)	new product (version 8.6.4)
Total No. of contracts for sites operating AP system	671	— (256 domains)	—
• No. of sales and installations of this system between Dec. 2020–Nov. 2021	20 sales and 15 installations	12 sales and 11 installations	—
No. of sites operating AP system (hospitals/independent labs/clinics or group practices/other U.S. sites/foreign sites)	—	— (breakdown of U.S. sites not tracked; 32 foreign sites—hospitals, reference labs)	—
Company markets this AP system outside the U.S.	no	yes (in Middle East, Canada, Latin America, UK, others)	yes (in Philippines, Africa, Bhutan, Canada, Caribbean)
• Foreign locations in which system installed	—	Australia, Brazil, Canada, UAE, UK, Egypt, Qatar, Malaysia, Saudi Arabia, Singapore	—
Human languages (other than English) offered on system	—	British-English, French, German, Spanish	any supported by Windows operating system
Approximate No. of employees in entire company	20	30,000+	9
Company provides list of client sites to potential customers on request	yes	yes (partial list of comparable sites with no restrictions)	no (information is confidential)
Clients restricted from sharing their experience with company or software	—	no	no
Range in No. of surgical pathology cases per year in installed sites	100–180,000	—	—
Range in No. of gynecologic cytology cases per year in installed sites	1,000–150,000	—	—
Programming languages and development applications or environments	Java, Apache Groovy, JavaScript	Java, C++, C#	C++, PHP, HTML, JavaScript
Databases and tools	MySQL	Oracle	MySQL
Features/modules incorporated in product:			
• Surgical pathology information system/Cytology information system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• Autopsy information system/Autopsy measurements, organ weights	available but not installed/available but not installed	installed at client sites/installed at client sites	available but not installed/available but not installed
• Scan and store manual requisition	installed at client sites	available via Cerner laboratory imaging	available but not installed
• Specimen tracking/Specimen storage and retrieval	installed at client sites/installed at client sites	available via Cerner Advanced Barcode and Tracking and RFID tracking/installed at client sites	available but not installed/available but not installed
• Entry of block IDs	installed at client sites	installed at client sites	available but not installed
• Print specimen labels/Print histology slide labels	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• Print barcoded slide labels/Print barcoded cassettes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• Print linear barcodes/Print two-dimensional barcodes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• Print histology worksheets	installed at client sites	installed at client sites	available but not installed
• Word processing—vendor specific	installed at client sites	installed at client sites	available but not installed
• Voice entry of gross description/Voice entry of final diagnosis	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• Gross images integrated in reports	installed at client sites	installed at client sites	available but not installed
• Microscopic images integrated in reports	installed at client sites	installed at client sites	available but not installed
• Electronic signature	installed at client sites	installed at client sites	available but not installed
• Remote printing of completed reports	installed at client sites	installed at client sites	available but not installed
• Automatically fax reports to clients without manual intervention	installed at client sites	installed at client sites	available but not installed
• Web-based remote inquiry of reports	installed at client sites	available via Cerner provider portal	available but not installed
• Physician Web access for order entry	installed at client sites	available via Cerner provider portal	available but not installed
• Natural language search capability	not available for this software	not available for this software	under development
• Multi-site or multi-facility-wide area network	installed at client sites	installed at client sites	available but not installed
• Sound-alike (e.g., Soundex) retrieval of patient history	not available for this software	installed at client sites	available but not installed
• Produce tumor board reports/Produce management reports	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• Reports sufficient to comply with CLIA '88 regulations	installed at client sites	installed at client sites	available but not installed
• Comprehensive billing and AR/Interface to external billing system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	not available for this software/available but not installed
• Inbound result-reporting interface to receive discrete results from an external lab and store them in patient record	installed at client sites	not available for this software	available but not installed
• EHR interface: admissions/discharge/transfer (ADT)	installed at client sites	installed at client sites	available but not installed
• EHR interface: result reporting/Report sent to EHR as PDF for clinician	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• EHR interface: incoming clinical results	installed at client sites	installed at client sites	available but not installed
• Partin tables/Gleason score calculations	installed at client sites/installed at client sites	installed at client sites/installed at client sites	under development/available but not installed
• Synoptic reporting for microscopic examination/For gross examination	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available but not installed/available but not installed
• CAP electronic cancer checklists automatically embedded	installed at client sites	available via a third party	under development
• Client services module/Consult management and reporting	installed at client sites/installed at client sites	avail. via Cerner Outreach Operations/installed at client sites	not available for this software (both features)
• LIS manager or lab employee can create ad hoc reports accessing all data elements in AP system	installed at client sites	installed at client sites	available but not installed
• Lab can define and modify schedule under which management and patient reports are automatically compiled and run	installed at client sites	installed at client sites	available but not installed
• Business analytics/Management dashboard	installed at client sites/installed at client sites	installed at client sites/not available for this software	available but not installed/under development
• Support for molecular testing and reporting	installed at client sites	available via Cerner Millennium Helix	available but not installed
Percentage of sites using result-reporting interfaces to external systems based on transmission of fully formatted (e.g., PDF or CDA) results	60–65%	<10%	—
Software provides indexed field in each test definition for LOINC code	no	yes (provide current LOINC dictionary with install)	yes (provide current LOINC dictionary with install)
AP system supports use of SNOMED CT for all cases	no	yes	no
System can auto. send tumor diagnoses to regional or state tumor registry using NAACCR Pathology Lab Electronic Reporting, vol. V, version 4.0	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)
Company uses third-party product for interfaces between AP system and instruments	yes, for all instrument interfaces (MDController from Neora Health)	no (interface directly)	no (interface directly)
Other vendors' lab systems to which AP system can bidirectionally interface	Allscripts, CPSI, Epic, eClinicalWorks, Orchard, GE Healthcare, McKesson, Xifin, Greenway, others	Epic, Allscripts, McKesson, Meditech, GE Healthcare, 4medica	—
Voice-recognition products or partners that system uses	Nuance Dragon, Dolbey, Amazon Transcribe	Voicebrook, Nuance Dragon	Dragon Dictate/Speak
Digital pathology or WSI systems that interface to AP system	none	Leica	none
Client receives copy of source code	no	no	no
User group that meets on established schedule	no	yes (via webinar and online collaborative community)	no
Qualified users or third parties can modify or augment AP system functionality or features	no (all modifications made by vendor)	no (all modifications made by vendor)	yes (client users)
Methods by which users can tailor AP system in their own setting	ad hoc query tools, dictionary settings, user- and lab-specific configurable preferences	ad hoc query tools, user-defined interfaces, dictionary settings	ad hoc query tools, user-defined interfaces, dictionary settings, read/write privileges, system outputs
Distinguishing product features (supplied by company)	<ul style="list-style-type: none"> <li>easy access to customer support by phone, email, and ticketing system</li> <li>cloud accessible; affordable and scalable for labs of any size</li> </ul>	<ul style="list-style-type: none"> <li>more than 35 years of continuous innovation in laboratory and pathology markets</li> <li>tracking of specimens from point of origin to storage</li> </ul>	<ul style="list-style-type: none"> <li>all system outputs are user-configurable using sophisticated built-in tools</li> <li>real-time rules-driven, user-defined, content-based functionality</li> </ul>

\*based on December 2021 survey deadline

Note: a dash as an answer means company did not answer question or question is not applicable

Part 2 of 7	Computer Trust Corp. David Liberman, MD drdave@ctcsurge.com Boston, MA 617-557-9264 ext. 600 www.winsurge.com	Cortex Medical Management Systems Carrie Cohen ccohen@cortexmed.com Seattle, WA 206-812-6981 www.cortexmed.com	Epic Nick Trentadue ntrentad@epic.com Verona, WI 608-271-9000 www.epic.com
Name of anatomic pathology system	WinSURGE	Cortex AP LIS	Beaker
How AP system functionality is deployed	available as local server/software and cloud based	available as local server/software, ASP, and cloud based	available as local server/software, ASP, and cloud based
Configuration of AP system	available as a standalone product designed to interface with any company's LIS and EHR	available as a standalone product designed to interface with any company's LIS and EHR	available as a dedicated module for Epic's clinical LIS and EHR and as a standalone product designed to interface with any company's LIS and EHR (2% of installations use AP system as a standalone product)
Year company began selling AP systems (any brand or model)	1989	1986	2011
Most recent installation of this AP system*	June 2021	July 2021	December 2021
Last product release or update for featured AP system*	October 2021 (version 56.9 server; 5.2.2 client)	April 2021 (version 10.2.15)	November 2021 (version Epic November 2021)
Total No. of contracts for sites operating AP system	108	57	208
• No. of sales and installations of this system between Dec. 2020–Nov. 2021	9 sales and 1 installation	2 sales and 1 installation	29 sales and 29 installations
No. of sites operating AP system (hospitals/independent labs/clinics or group practices/other U.S. sites/foreign sites)	132 (36/65/— <sup>†</sup> /31—multi-site enterprise/0 [sites in Puerto Rico combined with U.S. sites])	57	not tracked
Company markets this AP system outside the U.S.	yes (in Puerto Rico)	no	yes (in UK, Northern Ireland, Norway, Denmark, Finland, Netherlands, Saudi Arabia, Australia, UAE, others)
• Foreign locations in which system installed	—	—	UK, Norway, Belgium, Canada, Singapore, Lebanon
Human languages (other than English) offered on system	—	—	Norwegian, French, German
Approximate No. of employees in entire company	—	11	11,115
Company provides list of client sites to potential customers on request	yes (partial list of comparable sites with no restrictions)	yes (with client approval)	yes (complete list with no restrictions)
Clients restricted from sharing their experience with company or software	no	no	no
Range in No. of surgical pathology cases per year in installed sites	2,500–1,500,000	3,000–300,000	250–730,000
Range in No. of gynecologic cytology cases per year in installed sites	0–300,000	4,000–40,000	—
Programming languages and development applications or environments	Caché, .Net, Visual Basic, SQL	.Net	Visual Basic, Caché, C#, .Net, JavaScript
Databases and tools	Object Caché, Crystal Reports, Microsoft Word document templates, many user “bolt-ons” via SQL/Java, others	Microsoft SQL server	Chronicles, SQL
Features/modules incorporated in product:			
• Surgical pathology information system/Cytology information system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Autopsy information system/Autopsy measurements, organ weights	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Scan and store manual requisition	installed at client sites	installed at client sites	installed at client sites
• Specimen tracking/Specimen storage and retrieval	installed at client sites/installed at client sites	in testing/—	installed at client sites/installed at client sites
• Entry of block IDs	installed at client sites	installed at client sites	installed at client sites
• Print specimen labels/Print histology slide labels	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print barcoded slide labels/Print barcoded cassettes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print linear barcodes/Print two-dimensional barcodes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print histology worksheets	installed at client sites	installed at client sites	installed at client sites
• Word processing—vendor specific	installed at client sites	installed at client sites	installed at client sites
• Voice entry of gross description/Voice entry of final diagnosis	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Gross images integrated in reports	installed at client sites	installed at client sites	installed at client sites
• Microscopic images integrated in reports	installed at client sites	installed at client sites	installed at client sites
• Electronic signature	installed at client sites	installed at client sites	installed at client sites
• Remote printing of completed reports	installed at client sites	installed at client sites	installed at client sites
• Automatically fax reports to clients without manual intervention	installed at client sites	installed at client sites	installed at client sites
• Web-based remote inquiry of reports	installed at client sites	installed at client sites	installed at client sites
• Physician Web access for order entry	installed at client sites	—	installed at client sites
• Natural language search capability	installed at client sites	installed at client sites	in testing
• Multi-site or multi-facility-wide area network	installed at client sites	installed at client sites	installed at client sites
• Sound-alike (e.g., Soundex) retrieval of patient history	installed at client sites	—	installed at client sites
• Produce tumor board reports/Produce management reports	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Reports sufficient to comply with CLIA '88 regulations	installed at client sites	installed at client sites	installed at client sites
• Comprehensive billing and AP/Interface to external billing system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Inbound result-reporting interface to receive discrete results from an external lab and store them in patient record	installed at client sites	installed at client sites	installed at client sites
• EHR interface: admissions/discharge/transfer (ADT)	installed at client sites	installed at client sites	installed at client sites
• EHR interface: result reporting/Report sent to EHR as PDF for clinician	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• EHR interface: incoming clinical results	installed at client sites	installed at client sites	installed at client sites
• Partin tables/Gleason score calculations	installed at client sites/installed at client sites	installed at client sites/installed at client sites	under development/installed at client sites
• Synoptic reporting for microscopic examination/For gross examination	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• CAP electronic cancer checklists automatically embedded	installed at client sites	installed at client sites	installed at client sites
• Client services module/Consult management and reporting	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• LIS manager or lab employee can create ad hoc reports accessing all data elements in AP system	installed at client sites	installed at client sites	installed at client sites
• Lab can define and modify schedule under which management and patient reports are automatically compiled and run	installed at client sites	installed at client sites	installed at client sites
• Business analytics/Management dashboard	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Support for molecular testing and reporting	installed at client sites	installed at client sites	installed at client sites
Percentage of sites using result-reporting interfaces to external systems based on transmission of fully formatted (e.g., PDF or CDA) results	90%	98%	100%
Software provides indexed field in each test definition for LOINC code	yes	no	yes (provide current LOINC dictionary with install)
AP system supports use of SNOMED CT for all cases	yes	—	yes
System can auto. send tumor diagnoses to regional or state tumor registry using NAACCR Pathology Lab Electronic Reporting, vol. V, version 4.0	yes (pathologist can also set a flag for “send this case to tumor registry” on any case record)	yes (pathologist can also set a flag for “send this case to tumor registry” on any case record)	yes (pathologist can also set a flag for “send this case to tumor registry” on any case record)
Company uses third-party product for interfaces between AP system and instruments	combination of direct interfaces and third-party systems (client's choice; Agillaire, Cloverleaf, Orchard Copia, Ellkay)	combination of direct interfaces and third-party systems	combination of direct interfaces and third-party systems (Data Innovations)
Other vendors' lab systems to which AP system can bidirectionally interface	Epic, Cerner, McKesson, Meditech, Allscripts	Meditech, Epic, Cerner, Halfpenny, Orchard, others	Cerner, SCC Soft Computer, Sunquest, Haemonetics, Orchard, Lifepoint, Atlas, WellSky
Voice-recognition products or partners that system uses	Nuance Dragon NaturallySpeaking Professional, others	Nuance Dragon, Voicebrook, others	Nuance, M*Modal, Voicebrook
Digital pathology or WSI systems that interface to AP system	Leica Aperio	none	Leica, Inspirata, Corista, Philips, Sectra
Client receives copy of source code	escrow (optional)	escrow	yes
User group that meets on established schedule	no	yes (in person, via webinar, and via conference call)	yes (in person, via webinar, and via conference call)
Qualified users or third parties can modify or augment AP system functionality or features	yes (client users)	no (all modifications made by vendor)	yes (client users and designated third parties)
Methods by which users can tailor AP system in their own setting	ad hoc query tools, user-defined interfaces, dictionary settings, read/write privileges, WinsRULES rules-based engine, WinsALERT executive dashboard, others	ad hoc query tools, user-defined interfaces, dictionary settings	ad hoc query tools, user-defined interfaces, dictionary settings, read/write privileges
Distinguishing product features (supplied by company)	<ul style="list-style-type: none"> <li>powerful and configurable functionality, flexibility, and customer service</li> <li>comprehensive: tracking, interfaces, rules engine, real-time analytics, paperless workflow</li> </ul>	<ul style="list-style-type: none"> <li>dynamic features, histotech workbench, Web report portal, and integrated billing module</li> <li>over 35 years of commitment and experience with AP clients</li> </ul>	<ul style="list-style-type: none"> <li>integrated disease reporting for external clients and in-house physicians</li> <li>single database across all lab specialties and imaging—RIS, AP, CP, molecular, NGS</li> </ul>
*based on December 2021 survey deadline Note: a dash as an answer means company did not answer question or question is not applicable	<sup>†</sup> included with independent lab sites		

Part 3 of 7	LabWare Sarah Jones sjones@labware.com Wilmington, DE 302-658-8444 www.labware.com	LigoLab Suren Avunjian suren@ligolab.com Glendale, CA 800-544-6522 www.ligolab.com	NetSoft Byron Davis bdavis@netsoftusa.com Snellville, GA 678-325-2909 www.netsoftusa.com
Name of anatomic pathology system	LabWare	LigoLab AP/LIS & RCM 2022 <sup>†</sup>	IntelliPath
How AP system functionality is deployed Configuration of AP system	available as local server/software and an ASP available as a dedicated module for LabWare's clinical LIS and as a standalone product designed to interface with any company's LIS and EHR (10% of installations use AP system as a standalone product)	available as local server/software, ASP, and cloud based available as a standalone product designed to interface with LigoLab's clinical LIS and any company's EHR	available as local server/software and an ASP available as a standalone product designed to interface with any company's LIS and EHR
Year company began selling AP systems (any brand or model) Most recent installation of this AP system* Last product release or update for featured AP system* Total No. of contracts for sites operating AP system • No. of sales and installations of this system between Dec. 2020–Nov. 2021 No. of sites operating AP system (hospitals/independent labs/clinics or group practices/other U.S. sites/foreign sites) Company markets this AP system outside the U.S. • Foreign locations in which system installed	2013 September 2021 November 2021 (version 8.0 F) 17 2 sales and 3 installations 17 (0/2/0/0/15—hospitals, oncology, reference labs, veterinary) yes (worldwide) Kenya, New Zealand, Germany, Australia, UK, Mexico, Hong Kong, Nigeria, Denmark, Colombia German, Spanish, Swedish, Chinese, Norwegian, Japanese, Portuguese, Russian, Hebrew, Italian, French	2006 December 2021 December 2021 (version LigoLab AP/LIS & RCM 2021.5.2) 75 13 sales and 37 installations 151 (0/151/0/0/0)	2001 December 2020 December 2021 (version 2021.12.01) 103 1 sale and 1 installation 202 (6/88/108/0/0)
Human languages (other than English) offered on system	yes (complete list with no restrictions)	yes (complete list but prospective client must sign a nondisclosure agreement)	yes (partial list of comparable sites with no restrictions)
Approximate No. of employees in entire company Company provides list of client sites to potential customers on request	692 yes (complete list with no restrictions)	62 yes (complete list but prospective client must sign a nondisclosure agreement)	10 yes (partial list of comparable sites with no restrictions)
Clients restricted from sharing their experience with company or software	no	no	no
Range in No. of surgical pathology cases per year in installed sites Range in No. of gynecologic cytology cases per year in installed sites	1,000–80,000 0–4,500	10,000–350,000 30,000–500,000	4,000–420,000 12,000–75,000
Programming languages and development applications or environments Databases and tools	Java, .Net, Smalltalk Oracle, SQL server, PostgreSQL	Java Microsoft SQL, Oracle	Clarion, C++, .Net, Java, C# Actian, Crystal Reports, Custom Report Writer
Features/modules incorporated in product:			
• Surgical pathology information system/Cytology information system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Autopsy information system/Autopsy measurements, organ weights	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Scan and store manual requisition	installed at client sites	installed at client sites	installed at client sites
• Specimen tracking/Specimen storage and retrieval	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Entry of block IDs	installed at client sites	installed at client sites	installed at client sites
• Print specimen labels/Print histology slide labels	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print barcoded slide labels/Print barcoded cassettes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print linear barcodes/Print two-dimensional barcodes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print histology worksheets	installed at client sites	installed at client sites	installed at client sites
• Word processing—vendor specific	installed at client sites	installed at client sites	installed at client sites
• Voice entry of gross description/Voice entry of final diagnosis	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
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• Electronic signature	installed at client sites	installed at client sites	installed at client sites
• Remote printing of completed reports	installed at client sites	installed at client sites	installed at client sites
• Automatically fax reports to clients without manual intervention	installed at client sites	installed at client sites	installed at client sites
• Web-based remote inquiry of reports	installed at client sites	installed at client sites	installed at client sites
• Physician Web access for order entry	installed at client sites	installed at client sites	not available for this software
• Natural language search capability	installed at client sites	installed at client sites	installed at client sites
• Multi-site or multi-facility-wide area network	installed at client sites	installed at client sites	installed at client sites
• Sound-alike (e.g., Soundex) retrieval of patient history	installed at client sites	installed at client sites	not available for this software
• Produce tumor board reports/Produce management reports	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Reports sufficient to comply with CLIA '88 regulations	installed at client sites	installed at client sites	installed at client sites
• Comprehensive billing and AR/Interface to external billing system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Inbound result-reporting interface to receive discrete results from an external lab and store them in patient record	installed at client sites	installed at client sites	installed at client sites
• EHR interface: admissions/discharge/transfer (ADT)	installed at client sites	installed at client sites	installed at client sites
• EHR interface: result reporting/Report sent to EHR as PDF for clinician	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• EHR interface: incoming clinical results	installed at client sites	installed at client sites	installed at client sites
• Partin tables/Gleason score calculations	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Synoptic reporting for microscopic examination/For gross examination	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• CAP electronic cancer checklists automatically embedded	installed at client sites	installed at client sites	installed at client sites
• Client services module/Consult management and reporting	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• LIS manager or lab employee can create ad hoc reports accessing all data elements in AP system	installed at client sites	installed at client sites	installed at client sites
• Lab can define and modify schedule under which management and patient reports are automatically compiled and run	installed at client sites	installed at client sites	not available for this software
• Business analytics/Management dashboard	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Support for molecular testing and reporting	installed at client sites	installed at client sites	installed at client sites
Percentage of sites using result-reporting interfaces to external systems based on transmission of fully formatted (e.g., PDF or CDA) results	40%	18%	25%
Software provides indexed field in each test definition for LOINC code AP system supports use of SNOMED CT for all cases	yes yes	yes (provide current LOINC dictionary with install) yes	no yes
System can auto. send tumor diagnoses to regional or state tumor registry using NAACCR Pathology Lab Electronic Reporting, vol. V, version 4.0	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)
Company uses third-party product for interfaces between AP system and instruments Other vendors' lab systems to which AP system can bidirectionally interface	no (interface directly) Mediatech, Cerner, SCC Soft Computer, Epic, Thermo-Watson, others	no (interface directly) McKesson, Cerner, Sunquest, CompuGroup Medical (Schuyler House), Orchard, Xifin	no (interface directly) Cerner, Allscripts, Epic, GE Healthcare, Mediatech, NextGen, Practice Fusion, eClinicalWorks, others
Voice-recognition products or partners that system uses Digital pathology or WSI systems that interface to AP system	Nuance Dragon NaturallySpeaking Leica, Philips	Nuance Dragon Dictate, Dolbey Fusion Voice Leica, Philips, Agilent Dako, Roche, Proscia, Hamamatsu	Nuance Dragon NaturallySpeaking, Voicebrook Leica, Philips, Roche
Client receives copy of source code User group that meets on established schedule Qualified users or third parties can modify or augment AP system functionality or features Methods by which users can tailor AP system in their own setting	escrow yes (in person) yes (client users and designated third parties) ad hoc query tools, user-defined interfaces, dictionary settings, read/write privileges, rules engine, dashboards, interoperability tools	escrow yes (in person, via webinar, and via conference call) yes (client users) ad hoc query tools, user-defined interfaces, dictionary settings, read/write privileges	escrow yes (via conference call) no (all modifications made by vendor) ad hoc query tools, dictionary settings
Distinguishing product features (supplied by company)	<ul style="list-style-type: none"> <li>customer-configurable workflow tools: rules engine, queries, dashboards, interoperability</li> <li>full integration with molecular and other lab department workflows</li> </ul>	<ul style="list-style-type: none"> <li>integrated lab operating platform with configurable modules for AP, CP, MDx, RCM/billing, and more on one shared database</li> <li>comprehensive software platform; responsive service</li> </ul>	<ul style="list-style-type: none"> <li>integrated complete billing and specimen tracking; powerful macro system for resulting</li> <li>full-featured, robust system customized to client's workflow; low cost</li> </ul>
*based on December 2021 survey deadline Note: a dash as an answer means company did not answer question or question is not applicable		<sup>†</sup> formerly LigoLab APLIS & RCM 2021	

Part 4 of 7	<b>NetSoft</b> Byron Davis bdavis@netsoftusa.com Snellville, GA 678-325-2909 www.netsoftusa.com	<b>NovoPath, LLC</b> Dayna Carlin dcarlin@novopath.com Bridgewater, NJ 877-668-6123 www.novopath.com	<b>Orchard Software Corp.</b> Steve Hurwitz shurwitz@orchardsoft.com Carmel, IN 800-856-1948 www.orchardsoft.com
Name of anatomic pathology system	IntelliPath Pro	NovoPath 360 <sup>†</sup>	Orchard Enterprise Pathology <sup>†</sup>
How AP system functionality is deployed	available as a cloud-based offering	available as a cloud-based offering	available as local server/software, ASP, and cloud based
Configuration of AP system	available as a standalone product designed to interface with any company's LIS and EHR	available as a standalone product designed to interface with any company's LIS and EHR	available as a dedicated module for Orchard's clinical LIS and as a standalone product designed to interface with any company's LIS and EHR
Year company began selling AP systems (any brand or model)	2001	1999	2006
Most recent installation of this AP system*	October 2021	November 2021	—
Last product release or update for featured AP system*	November 2021 (version 1.0.56.0/1.4.213)	November 2021 (version 360)	—
Total No. of contracts for sites operating AP system	3	255	1 (new product; contract for pilot site)
• No. of sales and installations of this system between Dec. 2020–Nov. 2021	6 sales and 3 installations	5 sales and 7 installations	1 sale and 1 installation underway at hospital pilot site
No. of sites operating AP system (hospitals/independent labs/clinics or group practices/other U.S. sites/foreign sites)	3 (0/3/0/0)	421 (breakdown of U.S. sites not tracked; 4 foreign sites—hospitals, reference labs)	—
Company markets this AP system outside the U.S.	yes (in UK, Europe)	no	no
• Foreign locations in which system installed	—	—	—
Human languages (other than English) offered on system	—	Latin languages supported by Windows; fields customizable to most languages	—
Approximate No. of employees in entire company	10	55	277
Company provides list of client sites to potential customers on request	yes (partial list of comparable sites with no restrictions)	yes (partial list of comparable sites but prospective client must sign a nondisclosure agreement)	yes (partial list of comparable sites but prospective client must sign a nondisclosure agreement)
Clients restricted from sharing their experience with company or software	no	no	no
Range in No. of surgical pathology cases per year in installed sites	10,000–15,000	2,000–1,000,000	8,000– 11,000 (pilot site)
Range in No. of gynecologic cytology cases per year in installed sites	—	1,000–750,000	8,000– 11,000 (pilot site)
Programming languages and development applications or environments	HTML, CSS, JavaScript, C#	Microsoft Visual Studio	Java
Databases and tools	SQL, Microsoft Azure, Report Builder, Power BI	Amazon Web Services	SQL, Apache Tomcat
Features/modules incorporated in product:			
• Surgical pathology information system/Cytology information system	installed at client sites/under development	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Autopsy information system/Autopsy measurements, organ weights	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Scan and store manual requisition	installed at client sites	installed at client sites	installed at client sites
• Specimen tracking/Specimen storage and retrieval	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Entry of block IDs	installed at client sites	installed at client sites	installed at client sites
• Print specimen labels/Print histology slide labels	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print barcoded slide labels/Print barcoded cassettes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print linear barcodes/Print two-dimensional barcodes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print histology worksheets	installed at client sites	installed at client sites	installed at client sites
• Word processing—vendor specific	installed at client sites	installed at client sites	installed at client sites
• Voice entry of gross description/Voice entry of final diagnosis	installed at client sites/installed at client sites	installed at client sites/installed at client sites	available via a third party/available via a third party
• Gross images integrated in reports	installed at client sites	installed at client sites	available but not installed
• Microscopic images integrated in reports	installed at client sites	installed at client sites	—
• Electronic signature	installed at client sites	installed at client sites	installed at client sites
• Remote printing of completed reports	installed at client sites	installed at client sites	installed at client sites
• Automatically fax reports to clients without manual intervention	installed at client sites	installed at client sites	installed at client sites
• Web-based remote inquiry of reports	installed at client sites	installed at client sites	installed at client sites
• Physician Web access for order entry	under development	installed at client sites	installed at client sites
• Natural language search capability	installed at client sites	installed at client sites	not available for this software
• Multi-site or multi-facility—wide area network	not available for this software	installed at client sites	installed at client sites
• Sound-alike (e.g., Soundex) retrieval of patient history	not available for this software	installed at client sites	not available for this software
• Produce tumor board reports/Produce management reports	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Reports sufficient to comply with CLIA '88 regulations	under development	installed at client sites	installed at client sites
• Comprehensive billing and AR/Interface to external billing system	under development/installed at client sites	installed at client sites/installed at client sites	not available for this software/installed at client sites
• Inbound result-reporting interface to receive discrete results from an external lab and store them in patient record	installed at client sites	installed at client sites	installed at client sites
• EHR interface: admissions/discharge/transfer (ADT)	installed at client sites	installed at client sites	installed at client sites
• EHR interface: result reporting/Report sent to EHR as PDF for clinician	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• EHR interface: incoming clinical results	installed at client sites	installed at client sites	installed at client sites
• Partin tables/Gleason score calculations	installed at client sites/installed at client sites	installed at client sites/installed at client sites	in testing/in testing
• Synoptic reporting for microscopic examination/For gross examination	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• CAP electronic cancer checklists automatically embedded	available via a third party	installed at client sites	not available for this software
• Client services module/Consult management and reporting	not available for this software/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• LIS manager or lab employee can create ad hoc reports accessing all data elements in AP system	installed at client sites	installed at client sites	installed at client sites
• Lab can define and modify schedule under which management and patient reports are automatically compiled and run	under development	installed at client sites	installed at client sites
• Business analytics/Management dashboard	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Support for molecular testing and reporting	under development	installed at client sites	available via Orchard Molecular
Percentage of sites using result-reporting interfaces to external systems based on transmission of fully formatted (e.g., PDF or CDA) results	100%	85%	0
Software provides indexed field in each test definition for LOINC code	no	yes	yes
AP system supports use of SNOMED CT for all cases	yes	yes	yes
System can auto. send tumor diagnoses to regional or state tumor registry using NAACCR Pathology Lab Electronic Reporting, vol. V, version 4.0	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)
Company uses third-party product for interfaces between AP system and instruments	no (interface directly)	no (interface directly)	no (interface directly)
Other vendors' lab systems to which AP system can bidirectionally interface	Cerner, Allscripts, Epic, GE Healthcare, Meditech, NextGen, Practice Fusion, eClinicalWorks, others	Cerner, Epic, Meditech, Allscripts, CompuGroup Medical, CPSI, GE Healthcare, NextGen, Sunquest, Orchard, others	Allscripts, GE Healthcare, Siemens, Cerner, Meditech, eMDs, McKesson, others
Voice-recognition products or partners that system uses	Nuance Dragon NaturallySpeaking, Voicebrook	Nuance, Voicebrook, Windows Speech (Cortana), M*Modal	Dolbey Fusion Narrate, NVoq SayIt, Voicebrook VoiceOver, 3M M*Modal Fluency Direct, Nuance Dragon none
Digital pathology or WSI systems that interface to AP system	Leica, Philips, Roche	Philips, Leica Aperio, Motic	none
Client receives copy of source code	no	no	escrow
User group that meets on established schedule	yes (via conference call)	yes (via webinar)	yes (will meet via webinar)
Qualified users or third parties can modify or augment AP system functionality or features	no (all modifications made by vendor)	yes (client users)	yes (client users)
Methods by which users can tailor AP system in their own setting	ad hoc query tools, dictionary settings	ad hoc query tools, read/write privileges, pathology report formatting, application formatting, others	ad hoc query tools, user-defined interfaces, dictionary settings, rules-based decision-making technology, user-defined fields and ID formats, others
Distinguishing product features (supplied by company)	<ul style="list-style-type: none"> <li>• customizable dashboard to help with workflow efficiencies</li> <li>• results produced quickly using powerful internal macro system</li> </ul>	<ul style="list-style-type: none"> <li>• Web-based SaaS deployment model; accession-to-storage specimen tracking</li> <li>• pathologist and staff scheduler with case auto-assignment</li> </ul>	<ul style="list-style-type: none"> <li>• ability to design unique workflows</li> <li>• robust rules and options for patient report formatting</li> </ul>
*based on December 2021 survey deadline			
Note: a dash as an answer means company did not answer question or question is not applicable			
		<sup>†</sup> formerly NovoPath Anatomic Pathology Software System; NovoPath 360 also marketed by Allscripts	<sup>†</sup> anticipated for commercial release first quarter 2022

Part 5 of 7	Orchard Software Corp. Steve Hurwitz shurwitz@orchardsoft.com Carmel, IN 800-856-1948 www.orchardsoft.com	Psychē Systems Kyle Anderson sales@psychesystems.com Hopkinton, MA 508-372-8544 www.psychesystems.com	SCC Soft Computer Ellie Vahman ellie@softcomputer.com Clearwater, FL 800-763-8352 www.softcomputer.com
Name of anatomic pathology system	Orchard Pathology	WindoPath E.sential†	SoftPathDx†
How AP system functionality is deployed	available as local server/software, ASP, and cloud based	available as an ASP and cloud based	available as local server/software, ASP, and cloud based
Configuration of AP system	available as a dedicated module for Orchard's clinical LIS and as a standalone product designed to interface with any company's LIS and EHR	available as a standalone product designed to interface with any company's LIS and EHR	available as a dedicated module for SCC's clinical LIS and as a standalone product designed to interface with any company's LIS and EHR (7% of installations use AP system as a standalone product)
Year company began selling AP systems (any brand or model)	2006	1983	1993
Most recent installation of this AP system*	January 2021	June 2021	October 2021
Last product release or update for featured AP system*	October 2021 (version 13.211008)	November 2021 (version E.1103)	July 2021 (version 4.2)
Total No. of contracts for sites operating AP system	117	90	117
• No. of sales and installations of this system between Dec. 2020–Nov. 2021	1 sale and 1 installation	—	3 sales and 10 installations
No. of sites operating AP system (hospitals/independent labs/clinics or group practices/other U.S. sites/foreign sites)	118 (19/45/42/12—public health labs, research, veterinary/0)	115 (32/59/13/10—university research/1—multi-specialty anatomic pathology)	481 (179/17/37/0/248—public health system hospitals, pathology labs, commercial labs)
Company markets this AP system outside the U.S.	no	yes (in Canada)	yes (worldwide)
• Foreign locations in which system installed	—	Canada	Australia, Canada, France, Jamaica, Hong Kong, Indonesia, Israel, Malaysia, Singapore
Human languages (other than English) offered on system	—	—	French, Hebrew
Approximate No. of employees in entire company	277	27	1,700
Company provides list of client sites to potential customers on request	yes (partial list of comparable sites but prospective client must sign a nondisclosure agreement)	yes (partial list of comparable sites with no restrictions)	yes (partial list of comparable sites with no restrictions)
Clients restricted from sharing their experience with company or software	no	no	no
Range in No. of surgical pathology cases per year in installed sites	8,000–150,000	1,000–10,000+	2,000–600,000
Range in No. of gynecologic cytology cases per year in installed sites	11,000–150,000	100–30,000	2,000–175,000
Programming languages and development applications or environments	4D, Java, C++	Visual Basic, Visual Basic .Net, Smalltalk	C, C++, Java, Microsoft .Net, HTML5-based portal
Databases and tools	SQL, Apache Tomcat	Microsoft SQL server, InterFax	Oracle, PostgreSQL, Tableau
Features/modules incorporated in product:			
• Surgical pathology information system/Cytology information system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Autopsy information system/Autopsy measurements, organ weights	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Scan and store manual requisition	installed at client sites	installed at client sites	installed at client sites
• Specimen tracking/Specimen storage and retrieval	installed at client sites/installed at client sites	available via a third party/available via a third party	available via SCC's SoftTrack/available via SCC's SoftBiobank
• Entry of block IDs	installed at client sites	installed at client sites	installed at client sites
• Print specimen labels/Print histology slide labels	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print barcoded slide labels/Print barcoded cassettes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print linear barcodes/Print two-dimensional barcodes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print histology worksheets	installed at client sites	installed at client sites	installed at client sites
• Word processing—vendor specific	installed at client sites	installed at client sites	installed at client sites
• Voice entry of gross description/Voice entry of final diagnosis	available via a third party/available via a third party	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Gross images integrated in reports	installed at client sites	installed at client sites	installed at client sites
• Microscopic images integrated in reports	installed at client sites	installed at client sites	installed at client sites
• Electronic signature	installed at client sites	installed at client sites	installed at client sites
• Remote printing of completed reports	installed at client sites	installed at client sites	installed at client sites
• Automatically fax reports to clients without manual intervention	installed at client sites	installed at client sites	installed at client sites
• Web-based remote inquiry of reports	installed at client sites	installed at client sites	installed at client sites
• Physician Web access for order entry	installed at client sites	available via Psychē's e.Outreach	installed at client sites
• Natural language search capability	not available for this software	not available for this software	installed at client sites
• Multi-site or multi-facility—wide area network	installed at client sites	installed at client sites	installed at client sites
• Sound-alike (e.g., Soundex) retrieval of patient history	not available for this software	installed at client sites	installed at client sites
• Produce tumor board reports/Produce management reports	installed at client sites/installed at client sites	installed at client sites/available via Psychē's e.Query	installed at client sites/installed at client sites
• Reports sufficient to comply with CLIA '88 regulations	installed at client sites	available via Psychē's e.Query	installed at client sites
• Comprehensive billing and AR/Interface to external billing system	not available for this software/installed at client sites	not available for this software/installed at client sites	installed at client sites/installed at client sites
• Inbound result-reporting interface to receive discrete results from an external lab and store them in patient record	installed at client sites	installed at client sites	installed at client sites
• EHR interface: admissions/discharge/transfer (ADT)	installed at client sites	installed at client sites	installed at client sites
• EHR interface: result reporting/Report sent to EHR as PDF for clinician	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• EHR interface: incoming clinical results	installed at client sites	installed at client sites	installed at client sites
• Partin tables/Gleason score calculations	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Synoptic reporting for microscopic examination/For gross examination	installed at client sites/installed at client sites	available via Psychē's e.Synoptic (both features)	installed at client sites/installed at client sites
• CAP electronic cancer checklists automatically embedded	not available for this software	installed at client sites	installed at client sites
• Client services module/Consult management and reporting	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• LIS manager or lab employee can create ad hoc reports accessing all data elements in AP system	installed at client sites	installed at client sites	installed at client sites
• Lab can define and modify schedule under which management and patient reports are automatically compiled and run	installed at client sites	installed at client sites	installed at client sites
• Business analytics/Management dashboard	installed at client sites/installed at client sites	available via Psychē's e.Query, e.Dashboard/available via Psychē's e.Dashboard	available via SCC's SoftBI/available via SCC's SoftBI
• Support for molecular testing and reporting	installed at client sites	available via Psychē's NucleoLIS	available via SCC's SoftMolecular
Percentage of sites using result-reporting interfaces to external systems based on transmission of fully formatted (e.g., PDF or CDA) results	70%	60%	100%
Software provides indexed field in each test definition for LOINC code	yes	yes	yes (provide current LOINC dictionary with install)
AP system supports use of SNOMED CT for all cases	yes	yes	yes
System can auto. send tumor diagnoses to regional or state tumor registry using NAACCR Pathology Lab Electronic Reporting, vol. V, version 4.0	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)
Company uses third-party product for interfaces between AP system and instruments	no (interface directly)	combination of direct interfaces and third-party systems (Data Innovations)	no (interface directly)
Other vendors' lab systems to which AP system can bidirectionally interface	Allscripts, GE Healthcare, Siemens, Cerner, Meditech, eMDs, McKesson, others	Siemens, McKesson, Meditech, Cerner, Epic, Sunquest, Orchard, VitalAxis, NextGen, Lifepoint, others	Cerner, Epic, McKesson, Sunquest, others
Voice-recognition products or partners that system uses	NVoq SayIt, Nuance Dragon, Dolby Fusion Narrate, Voicebrok VoiceOver, 3M M*Modal Fluency Direct	Nuance Dragon NaturallySpeaking	Voicebrok, Nuance Dragon, eScription, TalkStation, M*Modal
Digital pathology or WSI systems that interface to AP system	Leica Aperio	Philips, Leica, Roche Ventana, Thermo Fisher, others	Leica Aperio, Philips, open source/homegrown
Client receives copy of source code	escrow	no	escrow
User group that meets on established schedule	yes (via webinar)	no	yes (in person, via webinar, and via conference call)
Qualified users or third parties can modify or augment AP system functionality or features	yes (client users)	yes (client users)	yes (client users)
Methods by which users can tailor AP system in their own setting	ad hoc query tools, user-defined interfaces, dictionary settings, rules-based decision-making technology, user-defined fields and ID formats, others	ad hoc query tools, user-defined interfaces, dictionary settings, translation table, API, client-requested customizations	ad hoc query tools, user-defined interfaces, dictionary settings, read/write privileges, workflow engine, rules engine, test protocol designer, security settings, others
Distinguishing product features (supplied by company)	<ul style="list-style-type: none"> <li>single all-inclusive system that uses same database for clinical and pathology</li> <li>report data structured for standardization and synoptic reporting</li> </ul>	<ul style="list-style-type: none"> <li>developing WindoPath LIS for decades; product prepared to handle all specialties</li> <li>built to accommodate laboratory workflows; customizable</li> </ul>	<ul style="list-style-type: none"> <li>full integration with digital pathology and genetics/NGS</li> <li>time-saving automated integrated content reporting auto-compiled from multiple sources</li> </ul>

\*based on December 2021 survey deadline  
Note: a dash as an answer means company did not answer question or question is not applicable

†formerly WindoPath

†formerly SoftPath, SoftPathDx also marketed by SCC-designated consultants, international distributors/agents

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	<b>Sunquest Information Systems</b> <b>Tyler Winters</b> tyler.winters@sunquestinfo.com <b>Tucson, AZ</b> <b>520-570-2000</b> www.sunquestinfo.com	<b>Sunquest Information Systems</b> <b>Tyler Winters</b> tyler.winters@sunquestinfo.com <b>Tucson, AZ</b> <b>520-570-2000</b> www.sunquestinfo.com	<b>VitalAxis</b> <b>Tharak Krishnamurthy</b> sales@vitalaxis.com <b>Toms River, NJ</b> <b>866-441-0268</b> www.vitalaxis.com
Name of anatomic pathology system	Sunquest CoPathPlus	Sunquest PowerPath	VitalDx LIS†
How AP system functionality is deployed	available as local server/software and an ASP	available as local server/software and an ASP	available as a cloud-based offering
Configuration of AP system	available as a standalone product designed to interface with any company's LIS and EHR	available as a standalone product designed to interface with any company's LIS and EHR	available as a dedicated module for VitalAxis' clinical LIS and as a standalone product designed to interface with any company's LIS and EHR (90% of installations use AP system as a standalone product)
Year company began selling AP systems (any brand or model)	1982	1982	2006
Most recent installation of this AP system*	November 2019	June 2021	November 2021
Last product release or update for featured AP system*	July 2020 (version 7.1)	August 2020 (version 12.0)	November 2021 (version 6.87SP5)
Total No. of contracts for sites operating AP system	129	124	160
• No. of sales and installations of this system between Dec. 2020–Nov. 2021	—	—	12 sales and 12 installations
No. of sites operating AP system (hospitals/independent labs/clinics or group practices/other U.S. sites/foreign sites)	129 (100/18/2/0/9—health organizations)	124 (91/24/4/1—specialty start-up/4—health organizations)	141 (1/48/92/0/0)
Company markets this AP system outside the U.S.	yes (in Canada)	yes (in Canada, Australia, New Zealand, Singapore)	no
• Foreign locations in which system installed	UK, Ireland, Canada, Bermuda, Bahamas, Saudi Arabia, United Arab Emirates	Canada, Australia	—
Human languages (other than English) offered on system	—	—	—
Approximate No. of employees in entire company	—	—	525
Company provides list of client sites to potential customers on request	yes (partial list of comparable sites with no restrictions)	yes (partial list of comparable sites with no restrictions)	yes (partial list of comparable sites but prospective client must sign a nondisclosure agreement)
Clients restricted from sharing their experience with company or software	no	no	no
Range in No. of surgical pathology cases per year in installed sites	700–500,000	1,500–480,000	12,000–300,000
Range in No. of gynecologic cytology cases per year in installed sites	0–600,000	5,000–350,000	12,000–300,000
Programming languages and development applications or environments	C++, Visual Basic, PowerBuilder	C#, .Net, Borland Delphi	.Net Suite (C#), Java, HTML, CSS, JavaScript
Databases and tools	Sybase, Microsoft SQL server (Q2 2022)	Microsoft SQL	SQL Server 2019x
Features/modules incorporated in product:			
• Surgical pathology information system/Cytology information system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Autopsy information system/Autopsy measurements, organ weights	installed at client sites/installed at client sites	installed at client sites/installed at client sites	not avail. for this software/not avail. for this software
• Scan and store manual requisition	installed at client sites	installed at client sites	installed at client sites
• Specimen tracking/Specimen storage and retrieval	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Entry of block IDs	installed at client sites	installed at client sites	installed at client sites
• Print specimen labels/Print histology slide labels	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print barcoded slide labels/Print barcoded cassettes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print linear barcodes/Print two-dimensional barcodes	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print histology worksheets	installed at client sites	installed at client sites	installed at client sites
• Word processing—vendor specific	installed at client sites	installed at client sites	installed at client sites
• Voice entry of gross description/Voice entry of final diagnosis	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Gross images integrated in reports	installed at client sites	installed at client sites	installed at client sites
• Microscopic images integrated in reports	installed at client sites	installed at client sites	installed at client sites
• Electronic signature	installed at client sites	installed at client sites	installed at client sites
• Remote printing of completed reports	installed at client sites	installed at client sites	installed at client sites
• Automatically fax reports to clients without manual intervention	installed at client sites	installed at client sites	installed at client sites
• Web-based remote inquiry of reports	available via Sunquest Physician Portal for AP	available via Sunquest Physician Portal for AP	installed at client sites
• Physician Web access for order entry	available via Sunquest Physician Portal for AP	available via Sunquest Physician Portal for AP	installed at client sites
• Natural language search capability	installed at client sites	installed at client sites	installed at client sites
• Multi-site or multi-facility-wide area network	installed at client sites	installed at client sites	installed at client sites
• Sound-alike (e.g., Soundex) retrieval of patient history	installed at client sites	installed at client sites	installed at client sites
• Produce tumor board reports/Produce management reports	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Reports sufficient to comply with CLIA '88 regulations	installed at client sites	installed at client sites	installed at client sites
• Comprehensive billing and AP/Interface to external billing system	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Inbound result-reporting interface to receive discrete results from an external lab and store them in patient record	installed at client sites	installed at client sites	installed at client sites
• EHR interface: admissions/discharge/transfer (ADT)	installed at client sites	installed at client sites	installed at client sites
• EHR interface: result reporting/Report sent to EHR as PDF for clinician	installed at client sites/installed at client sites	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• EHR interface: incoming clinical results	installed at client sites	installed at client sites	installed at client sites
• Partin tables/Gleason score calculations	available via a third party/available via a third party	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Synoptic reporting for microscopic examination/For gross examination	available via a third party/available via a third party	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• CAP electronic cancer checklists automatically embedded	available via a third party	installed at client sites	installed at client sites
• Client services module/Consult management and reporting	not available for this software/installed at client sites	not available for this software/installed at client sites	installed at client sites/installed at client sites
• LIS manager or lab employee can create ad hoc reports accessing all data elements in AP system	installed at client sites	installed at client sites	installed at client sites
• Lab can define and modify schedule under which management and patient reports are automatically compiled and run	installed at client sites	installed at client sites	installed at client sites
• Business analytics/Management dashboard	avail. via Sunquest Analytics/avail. via Sunquest Analytics	avail. via Sunquest Analytics/avail. via Sunquest Analytics	installed at client sites/installed at client sites
• Support for molecular testing and reporting	installed at client sites	installed at client sites	installed at client sites
Percentage of sites using result-reporting interfaces to external systems based on transmission of fully formatted (e.g., PDF or CDA) results	48%	38%	70%
Software provides indexed field in each test definition for LOINC code	no	yes	yes (provide current LOINC dictionary with install)
AP system supports use of SNOMED CT for all cases	for cancer cases with CAP electronic cancer checklists	yes	no
System can auto. send tumor diagnoses to regional or state tumor registry using NAACCR Pathology Lab Electronic Reporting, vol. V, version 4.0	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)
Company uses third-party product for interfaces between AP system and instruments	combination of direct interfaces and third-party systems (Data Innovations)	combination of direct interfaces and third-party systems (Data Innovations)	combination of direct interfaces and third-party systems
Other vendors' lab systems to which AP system can bidirectionally interface	Epic, McKesson, Cerner, Siemens, GE Healthcare, Allscripts, Meditech, others	Allscripts, Cerner, Epic, GE Healthcare, McKesson, Meditech, Siemens, 4medica, others	Seacoast, Ovation, CompuGroup Medical
Voice-recognition products or partners that system uses	Nuance Dragon, Voicebrook, M*Modal	Nuance Dragon, Voicebrook, M*Modal	Nuance Dragon
Digital pathology or WSI systems that interface to AP system	Roche, Leica, Philips, Inspirata	Roche, Leica, Philips	—
Client receives copy of source code	optional	optional	no
User group that meets on established schedule	yes (in person and via webinar)	yes (in person and via webinar)	yes (via webinar, via conference call, on a need basis)
Qualified users or third parties can modify or augment AP system functionality or features	no (all modifications made by vendor)	no (all modifications made by vendor)	yes (client users)
Methods by which users can tailor AP system in their own setting	ad hoc query tools; user-defined interfaces; dictionary settings; client-defined, rules-based workflows around AP processes and reflexes	ad hoc query tools; user-defined interfaces; dictionary settings; rules-based workflows around AP processes and reflexes; customizable Crystal Reports	ad hoc query tools; user-defined interfaces; dictionary settings; read/write privileges; administrative tools to customize workflows, screen designs, reports, more
Distinguishing product features (supplied by company)	<ul style="list-style-type: none"> <li>integrated AP/molecular reports to enhance outcomes and improve care coordination</li> <li>comprehensive specimen management for safety and efficiency</li> </ul>	<ul style="list-style-type: none"> <li>integrated AP/molecular reports to enhance outcomes and improve care coordination</li> <li>Case Finder: robust, user-friendly ad hoc query tool</li> </ul>	<ul style="list-style-type: none"> <li>singular LIS for multiple specialties, including pathology, molecular, genetics, and NGS</li> <li>entire diverse networks of physicians, send-out labs, and external pathologists use the same system</li> </ul>

\*based on December 2021 survey deadline  
 Note: a dash as an answer means company did not answer question or question is not applicable

†formerly VitalAxis LIS; VitalDx LIS also marketed by P4 Diagnostix, Miraca Life Sciences, PLUS Diagnostix

Part 7 of 7	WebPathLab Peter Williams peter@webpathlab.com Folsom, CA 916-542-1386 www.webpathlab.com	XIFIN Joseph Nollar jnollar@xifin.com San Diego, CA 858-793-5700 www.xifin.com
Name of anatomic pathology system	WebPathLab	XIFIN LIS†
How AP system functionality is deployed Configuration of AP system	available as a cloud-based offering available as the core module of WebPathLab LIS and as a standalone product designed to interface with any company's LIS and EHR using an HL7 interface	available as a cloud-based offering available as a dedicated module for XIFIN's clinical LIS and EHR and as a standalone product designed to interface with any company's LIS and EHR (40% of installations use AP system as a standalone product)
Year company began selling AP systems (any brand or model)	2000	2004
Most recent installation of this AP system*	July 2021	December 2021
Last product release or update for featured AP system*	July 2021 (version 2i-3)	November 2021 (version 8.0)
Total No. of contracts for sites operating AP system	40	72
• No. of sales and installations of this system between Dec. 2020–Nov. 2021	5 sales and 4 installations	8 sales and 3 installations
No. of sites operating AP system (hospitals/independent labs/clinics or group practices/other U.S. sites/foreign sites)	40 (3/31/0/0/6—independent labs)	82 (0/55/20/0/7—AP, molecular labs)
Company markets this AP system outside the U.S. • Foreign locations in which system installed Human languages (other than English) offered on system	yes (in Latin America, Europe, Middle East, China, India) Mexico, Dominican Republic, Saudi Arabia, Bahrain, Ecuador Spanish, Chinese (Mandarin)	yes (in Africa, Asia, Europe) UK, China, Holland, Rwanda, Tanzania, Ethiopia, Haiti Chinese (simplified Mandarin)
Approximate No. of employees in entire company	10	484
Company provides list of client sites to potential customers on request	yes (partial list of comparable sites with permission but prospective client must sign a nondisclosure agreement)	yes (partial list of comparable sites with no restrictions)
Clients restricted from sharing their experience with company or software	no	no
Range in No. of surgical pathology cases per year in installed sites	2,500–180,000	5,250–223,000
Range in No. of gynecologic cytology cases per year in installed sites	800–50,000	15,000–75,000
Programming languages and development applications or environments Databases and tools	ASP .Net, AJAX MySQL	C#, .Net SQL
Features/modules incorporated in product:		
• Surgical pathology information system/Cytology information system	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Autopsy information system/Autopsy measurements, organ weights	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Scan and store manual requisition	installed at client sites	installed at client sites
• Specimen tracking/Specimen storage and retrieval	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Entry of block IDs	installed at client sites	installed at client sites
• Print specimen labels/Print histology slide labels	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print barcoded slide labels/Print barcoded cassettes	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print linear barcodes/Print two-dimensional barcodes	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Print histology worksheets	installed at client sites	installed at client sites
• Word processing—vendor specific	installed at client sites	installed at client sites
• Voice entry of gross description/Voice entry of final diagnosis	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Gross images integrated in reports	installed at client sites	installed at client sites
• Microscopic images integrated in reports	installed at client sites	installed at client sites
• Electronic signature	installed at client sites	installed at client sites
• Remote printing of completed reports	installed at client sites	installed at client sites
• Automatically fax reports to clients without manual intervention	installed at client sites	installed at client sites
• Web-based remote inquiry of reports	installed at client sites	installed at client sites
• Physician Web access for order entry	installed at client sites	installed at client sites
• Natural language search capability	installed at client sites	installed at client sites
• Multi-site or multi-facility—wide area network	installed at client sites	installed at client sites
• Sound-alike (e.g., Soundex) retrieval of patient history	installed at client sites	installed at client sites
• Produce tumor board reports/Produce management reports	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Reports sufficient to comply with CLIA '88 regulations	installed at client sites	installed at client sites
• Comprehensive billing and AR/Interface to external billing system	available but not installed/installed at client sites	available via XIFIN RPM/available via XIFIN RPM
• Inbound result-reporting interface to receive discrete results from an external lab and store them in patient record	installed at client sites	installed at client sites
• EHR interface: admissions/discharge/transfer (ADT)	installed at client sites	installed at client sites
• EHR interface: result reporting/Report sent to EHR as PDF for clinician	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• EHR interface: incoming clinical results	installed at client sites	installed at client sites
• Partin tables/Gleason score calculations	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Synoptic reporting for microscopic examination/For gross examination	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• CAP electronic cancer checklists automatically embedded	—	installed at client sites
• Client services module/Consult management and reporting	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• LIS manager or lab employee can create ad hoc reports accessing all data elements in AP system	—	installed at client sites
• Lab can define and modify schedule under which management and patient reports are automatically compiled and run	—	under development
• Business analytics/Management dashboard	installed at client sites/installed at client sites	installed at client sites/installed at client sites
• Support for molecular testing and reporting	installed at client sites	installed at client sites
Percentage of sites using result-reporting interfaces to external systems based on transmission of fully formatted (e.g., PDF or CDA) results	95%	85%
Software provides indexed field in each test definition for LOINC code	no	yes
AP system supports use of SNOMED CT for all cases	no	yes
System can auto. send tumor diagnoses to regional or state tumor registry using NAACCR Pathology Lab Electronic Reporting, vol. V, version 4.0	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)	yes (pathologist can also set a flag for "send this case to tumor registry" on any case record)
Company uses third-party product for interfaces between AP system and instruments	yes, for all instrument interfaces (Mirth Connect, Qvera)	combination of direct interfaces and third-party systems (Data Innovations)
Other vendors' lab systems to which AP system can bidirectionally interface	Athena, Meditech, Epic, Orchard, Allscripts, Practice Fusion, eClinicalWorks, others	Epic, Cortex, Allscripts, Meditech, Cerner, GE Healthcare, eClinicalWorks, Practice Fusion, eMDs, others
Voice-recognition products or partners that system uses	Nuance Dragon NaturallySpeaking	Dolbey Fusion Narrate, Voicebrook, Nuance Dragon NaturallySpeaking
Digital pathology or WSI systems that interface to AP system	Leica Aperio, 3DHistech	Leica Aperio, Roche Ventana, BioView, Motic, others
Client receives copy of source code	escrow (optional)	escrow
User group that meets on established schedule	no	yes (via webinar)
Qualified users or third parties can modify or augment AP system functionality or features	no (all modifications made by vendor)	yes (client users)
Methods by which users can tailor AP system in their own setting	dictionary settings; customization of pathology reports, slide/cassette labels, management reports; audit log access; others	ad hoc query tools; user-defined interfaces; dictionary settings; read/write privileges; user-managed test menu, testing protocols, security privileges, more
Distinguishing product features (supplied by company)	<ul style="list-style-type: none"> <li>• 100% Web based; provides universal secure access</li> <li>• fee can be pay-per-report at \$1.00 or unlimited reports with a licensing fee per pathologist and no limit on the number of users; free updates</li> </ul>	<ul style="list-style-type: none"> <li>• TC/PC workflow/revenue split management enabled with digital pathology</li> <li>• configurable cloud solution that includes monthly enhancements</li> </ul>

\*based on December 2021 survey deadline

Note: a dash as an answer means company did not answer question or question is not applicable

†formerly PathCentral AP Anywhere, eTeleNext AP Anywhere

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