

## Polytech LIS Advantages

### Data Entry

Single screen workup (90%+ of daily activity)  
Fast record pull-up  
Full Demographics  
Auto Scrolling through Data Entry fields  
User definable Demographic Fields  
Billing information  
Comments  
Test ordering  
ICD-10 check  
Test result entry  
Test result verification  
Results verified individually / in batches  
Auto and Manual Sample ID generation  
Encounter lookup by record #, SID, PID and names  
Drop down lists for fast accurate input and lookup  
LOINC  
User definable test and Panel definitions  
Insurance carrier and agency definition  
Test restriction based on insurance carrier  
Customizable Auto SID

### Requisition Handling

Bar code printer support  
Individual bar code production  
Individual record creation  
Individual result entry  
Batch barcode production  
Batch record creation  
Batch result entry  
Demographic entry & edit  
Easy access to tracking information  
Full-off site patient and request entry with result inquiry  
On demand work list generated by the user  
On screen result entry  
Rapid request entry for immediate specimen processing  
Requisition entry & edit  
Test selection  
Standing and Future Orders  
Stat or Routine test request definition

### Listings\*

Complete Unprinted sample  
Drug of Abuse confirmation  
Incomplete samples  
Overdue list  
Patient list  
Reference Lab Manifest  
Department Overdue  
Location Incomplete  
Sample listing  
Work list

\*other listing can be defined by the the following:

by analyzer  
by category  
by department  
by doctor  
by location  
by patient ID  
by patient name  
by requisition  
by sample ID  
by test or panel,  
Samples by test(s)  
by combining any of the above  
Output to screen, a printer or a file.

### Test Incomplete Reports

Abbreviations  
Number  
Panels  
Profiles

### Exceptional Value Reports

High  
Low  
Normal  
Panic high  
Panic low  
Combination  
All of the above

### Location Incomplete Reports

Single  
Combination  
All Locations

### Result Handling

Unreleased result auto-search  
Automatic and Manual result approval  
Automatic Display of previous results  
Auto test reference range checking  
Result validation by user-definable criteria  
Delta checking  
Duplicated order checking  
Manual result entry  
Result approval by instrument  
Result approval by sample  
Result report  
Threshold results  
Automatic Abnormal Result Flagging  
Result Level Commenting (free or canned text)  
Result level images  
Results review by Patient, Sample, Department, Doctor  
Result edit capability with audit trails and edit indicators  
Panic value alerts

### Report Generator\*\*

Unlimited number of User-Definable Report  
Formats  
Final report

Interim report  
Cumulative report with graph  
Report .pdf eMail capability  
Microbiology report  
(un) approved result report  
Assay trend report  
Billing report  
Cardiac risk report  
Local and remote Faxing and Printing  
e-mail patient reports  
Hematology report  
Sample report  
Sample status report  
Testing distribution report  
Work status report  
Drugs of abuse statistical report  
Work-log report

\*\* user definable reports can be generated on the fly and saved for future reports

### Quality Control

Fully auditable QC system  
All results stored - not just summaries  
Levy Jennings plot  
QC result summary  
Levy Jennings chart  
QC result histogram  
Westgard rules  
Linearity report  
Cross level checking  
Outliers processing  
Manual entry of QC data  
Edit and review QC data  
Daily report  
Monthly report  
History report  
Summary report by user specified date range  
Control definitions  
User definable corrective action commenting  
Population studies  
DAU statistics  
2 / 3 S.D. report

### Customized Set Up

Age & sex-specific reference ranges  
Multiple Species Capability for vet use  
User selectable Westgard rules  
Formulas  
Physician database  
Location database  
User-defined passwords  
User defined comments  
Canned comments  
Test library database  
Panel library database  
Profile library data base  
Screen & report formatting  
User defined free text areas  
Specimen specific demographics

## Polytech LIS Advantages

Auto-accept of results  
Delta check by user definable time limit by absolute or percentage differences  
Reflex testing  
User definable complex Rules definitions  
Printer options  
Report options  
Re-direct printing to other workstations  
Host options  
Panel and Super-Paneling  
Multiple physician locations or departments  
Clinician to Location or Department Association  
Clinician Database

### Host Computer Interface

Requisition download & test selection  
Demographic download  
Results upload  
Billing information upload  
HL7 protocol  
ASTM protocol  
Standard host protocols  
WinLink  
Import data and export of data  
Reference Lab Definition including auto electronic catalogue.  
Existing PMS, HIS, EMR, and Billing System Interfaces

### Interface Flexibility

HL7 Protocol  
200+ interface library  
Query capability  
Bi-directional interfaces  
Multi instrument scheduling  
In-house support  
Unidirectional interfaces  
User maintainable interface engines  
New interfaces created daily

### Enhanced Productivity

Single screen entry of demographics, orders, results and controls  
Function Key functionality to eliminate having to open, close, and navigate multiple windows.  
Workload recording  
Proficiency results tracking  
Regression analysis  
Reflex testing  
Patient histogram reports  
Report printing to any printer on network

### Data Integrity

Password security  
Tracking  
Audit log  
Error log report  
Modem support  
Real time data retrieval

Automatic Delta Checking capability per test. This is based on absolute values, percentage change values, or combination  
Database redundancy – Medlink  
Client-Server or Peer to Peer

### Supported Laboratory Areas

Drugs of Abuse  
Chemistry  
Coagulation  
Epidemiology  
Hematology  
Histology  
Immunoassay  
Microbiology  
Parasitology  
Reference labs  
Serology  
Special chemistry  
TDM  
Toxicology  
Urinalysis  
Virology

### Other features

No proprietary hardware requirements  
Zero downtime  
MedLink  
User definable reports  
Laser printer  
Flat screen  
Laptops  
Auto transmitting of data  
Reports to disk  
Reports to file  
ASCII data export  
Ad-hoc queries of the database  
ICD-10 codes  
Complete Microbiology Module  
Differential keypad support  
Automatic fax  
Automatic e-mail  
Automatic print  
Retry failed faxes  
Normal Range Revision Tracking  
Dr. Asp  
Remote order entry  
Remote bar code printing  
Remote results Access  
Remote Results Printing  
Satellite Clinic Access  
Departmental Lab Access  
Reference Lab Client Access

### Administrative Reports

Utilization reports  
Work load reports  
Ordering patterns  
Print by location  
Print by physician  
Order choice

### Totals

Work in progress reports  
Work completion reports  
Billing summary reports  
Automated ABN forms printing  
Result listing  
Result listing of high values  
Result listing of critical high values  
Result listing of low values  
Result listing of panic values  
Results not complete  
CAP test weights  
Unweighted test usage  
Weighted test usage  
Unweighted test usage summary  
Weighted test usage summary  
Panel usage  
Panel usage summary  
Number of samples per category  
Agency non-itemized billing summary  
Agency itemized report  
Editable billing list  
Print or send charge accounting  
Charge code maintenance  
Cost & revenue per doctor or entity reports

### Medical Necessity

ICD-10 code checking  
CPT-4 assignment  
ABN generation

### Security

Auto logoff per HIPPA  
User definable automatic password expiration  
Every keystroke and process traceable down to the user level  
User restricted inquires by log-in  
User controlled result entry by individual or group  
Validation of results by log-in  
Access restricted by departments  
Automatic time out of idle screen  
User password control  
Changes to the database are tracked in audit logs  
User definable menus for group or individuals  
All data on hard-drive encrypted  
Data transmissions across LAN/WAN encrypted

### Patient Records

Patient files  
Historical patient retrieval  
Past results retrieval  
Patient list  
Find patients in less than a second

### Technologist Benefits

Enhance workflow

## Polytech LIS Advantages

Automated accessioning  
Administrative reports  
Quality control  
Retrieving patient results by any criterion  
User definable reports on the fly  
Automatic delivery of reports  
Dr. Asp remote connectivity

### Physician Benefits

Physician Test Menu  
Physician Office Connectivity  
Accurate, timely, and consolidated reports  
Trend reports  
Reduced turn around times  
Enhanced accuracy of billing  
Icd-10 code screening  
Floor Order-entry

### Administrator Benefits

Increase first pass reimbursement  
Automated screening of diagnosis  
Improved Lab time efficiency  
Statistics reports  
Workload analysis reports  
Reduced laboratory overtime  
Simplified administrative tasks  
Limited IT Support  
Maintain Lab Independence from IT

### Additional Benefits

Decreased Paper Trail and log book maintenance for CLIA, COLA, and JCH  
Hospital Functionality  
Floor Order Entry  
Ambulatory and Non-Ambulatory capable  
Installation in 30 days or less  
On-site level I training  
Advance training in N. California  
Live support  
1-800 customer service line  
Modem support diagnostics  
Latest Software included in Maintenance Contract  
Remote Control System Access  
Web based access for reports and Order entry

### Regulatory Features

Audit logs  
Time stamp  
Panic Value Alerts  
Decreased paper trail and log book maintenance for CLIA, COLA and JCH  
Pre-analytical, analytical, and post analytical tracking of patient specimens  
Volume Tracking  
COLA required tracking of at least 5 specimens (deficiencies start in 2010)  
Proficiency test results and tracking  
Policies and Procedures storage and data storage

Do not have to back up daily (Medlink)

### Decision Maker

Captures charges with ABN alert  
30 years of serving laboratories  
Over 40 years of lab and computer experience  
Cost effective  
Short ROI  
Control cost with administrative log reporting  
Expandable and customizable at lesser cost than competitors  
Functionality reduces overall annual cost with the capture of laboratory charges across entire organization (Multi-site practices)  
Tighter control over lab processes  
Outreach capabilities (small and large scale abilities)  
Clinician satisfaction

### Laboratory Supervisor

Audit Log Reporting  
Result validation from office node  
Tighter more streamlined processes  
Lower cost system wide  
Faster Turnaround times  
Streamlined process in-house and in reference lab processes  
POCT quality control for waived and non-waived testing  
4 Differential pad available for training and monitoring new technologists  
Custom report formatting  
Reflex testing through rules  
Repeat testing through rules  
Reports options cumulative, interim and Final  
Historical reporting and graphing  
Unparalleled support  
Saves space with Reference lab streamlined process  
Toxicology and Microbiology modules  
Interface capabilities unlimited

### Medical Technologist

95% of work performed on one screen  
Customizable areas for different providers  
90 pages of canned text space for each result  
Flexible ways to use software  
Can verify and release results from any node in lab saving time and reducing errors resulting in repeat testing  
Differential pad for training and reduced interpretive errors  
Panic alert to remind to call and log panic values  
Historical data review for result validation  
Quality control easy to run and review  
Dial in support and training

Reference lab orders and results easily accessed on one system  
Auto ABN printing  
ICD-10 and CPT Coding alert to decrease billing cycle of lab charges  
Auto functions such as abnormal result flagging, patient demographics and result level commenting  
Batch orders and future ordering capabilities  
Delta Checking  
Auto or Manual Result verification and release