

LIMS-PLUS V3.X HARDWARE REQUIREMENTS

SUPPORTED OPERATING SYSTEM

- Microsoft Windows XP or greater on clients
- Windows 2003 Server R2, Windows 2008 server for SQL or Oracle® on servers

SUPPORTED DATABASE SYSTEMS

- Microsoft® SQL Server 2005© SP2 or above
- Oracle® Database 10g or above

CLIENT PCS

- 1 GHz 32-bit (x86) processor
- 1 GB of system memory
- 40 GB hard drive with at least 15 GB of available space
- DVD-ROM drive
- Audio Output
- Internet access (fees may apply)

SERVER - SMALL/SINGLE LABORATORY(25 USERS OR LESS)

RECOMMENDED REQUIREMENTS

(Requirements may vary with size of database and modules in use)

Processor Minimum: 1 GHz (x86 processor) or 1.4 GHz (x64 processor)

Recommended: 2 GHz or faster

(Multi Processor systems may have an effect on your licensing of the OS or RDBMS, check with your vendor.)

Memory (RAM): 2 GB Check your version of OS and RDBMS for Limitations

Hard Disk Configuration: (4+ hard disks configured to RAID 5 w/spare, or RAID 10)

RAID Controller: 64MB Cache or better

Hard Disk Space: 20 GB initial blank database setup, differs w/a converted database.

Network Interface Card compatible with current network

Network Architecture: Windows Active Directory Domain Structure (SQL Server or Oracle),

Tape Drive: Internal Tape Backup (We recommend a backup solution of some type be in place for all database servers, please contact us. We may be able to help with your specific questions).

Other Peripherals:

CD Rom Drive/DVD drive The server should be able to read CD's at a minimum (a CD-writer or DVD + writer can be useful for sending copies of files when necessary)

Microsoft® Mouse or compatible

Keyboard

VGA Monitor

Uninterruptible Power Supply

MULTI-LOCATION LABORATORY SERVER

Storage and memory requirements will vary greatly based on number of users and modules implemented.

RECOMMENDED REQUIREMENTS

(Requirements may vary with size of database and modules in use)

Processor Minimum: 1 GHz (x86 processor) or 1.4 GHz (x64 processor)

Recommended: 2 GHz or faster

(Multi Processor systems may have an effect on your licensing of the OS or RDBMS, check with your vendor.)

Memory (RAM): 2 GB Check your version of OS and RDBMS for Limitations

Hard Disk Configuration: (4+ hard disks configured to RAID 5 w/spare, or RAID 10)

RAID Controller: 64MB Cache or better

Hard Disk Space: 50 GB initial blank database setup, differs w/a converted database.

Network Interface Card compatible with current network DUAL NICs for load balance or fault tolerance.

Network Architecture: Windows Active Directory Domain Structure (SQL Server or Oracle),

Tape Drive: Internal Tape Backup (We recommend a backup solution be in place for all database servers, please contact the tape drive vendor with specific questions).

CD Rom Drive/DVD drive The server should be able to read CD's at a minimum (a CD-writer or DVD + writer can be useful for sending copies of files when necessary)}

Microsoft® Mouse or compatible

Keyboard

VGA Monitor

Uninterruptible Power Supply

WINDOWS TERMINAL SERVER CLIENT REQUIREMENTS

These are Microsoft's recommendations.

Personal computer with an 80386 or higher

Microsoft® Windows Terminal Server Client or compatible operating system and Terminal Server Client software plus Terminal Server Access License

8 MB of RAM for Windows 95, 16 MB for Windows NT

4 MB of available hard disk space

VGA or higher resolution video adapter

High-density 3.5-inch disk drive

Network interface card (NIC) using the Microsoft TCP/IP protocol

Microsoft® serial mouse or 100 percent compatible

For high resolution imaging, Windows 2003 Server and Windows XP SP1 clients are required.

NETWORK REQUIREMENTS

All protocols supported by Microsoft® Windows 2003, and 2008 Server and Microsoft TCP/IP.

The recommended baseline cable configuration is verified ANSI Category 5. The appropriate hardware must be installed to enable LAN/WAN connectivity, i.e. NICs, Hubs, Routers, Bridges, Patch Panels, etc. The hardware installed must meet the minimum requirements of the network operating system to perform in a robust manner.