



Protocol *Labacus*[®]

Version 1.0



What is Protocol Labacus?

Protocol Labacus is **mobile app** software for tablets developed to **help people keep track of details of work procedures**. It is optimized for use in technical environments (labs, clinics etc) where people need to move while they work. Protocol Labacus is a web-based software and not dependent on any specific operating system, web browser type or tablet/computer hardware.

How does this work?

Protocol Labacus has three components: PL Mobile, PL Designer and PL Server that are sold together as PL Suite and as individual modules. **PL Mobile** runs on tablets (or laptops or even desktops if you prefer) and provides **step by step coaching** through procedures and **on the spot tracking of actions, observations and measurements**. At the end of the procedure, PL Mobile automatically generates a write-up for your records.

PL Mobile Provides:



Overview of all the steps in a procedure and one touch navigation between procedures



Step by step instructions and alerts when key information needs to be recorded



A final report with timestamps for each step and all your notes and observations.

PL Designer is an easy-to-use interface that leads you through converting your in-house protocols, SOPs, etc, into procedures that run on PL Mobile. **PL Server** runs the website that PL Mobile and PL Designer connect to and securely stores all data from a procedure in an incorporated database. If you have an in-house database, PL Server can be setup to use that database.

What do I need to start?

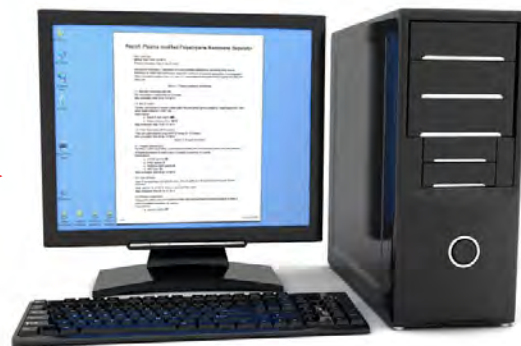
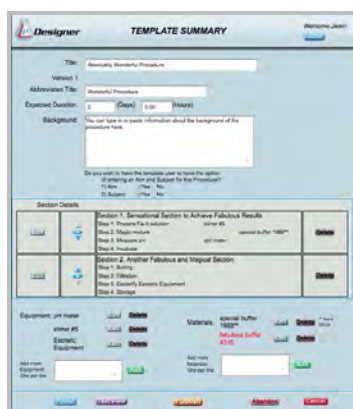
A first-time customer will need to purchase PL Suite to obtain all three components: PL Mobile for following procedures, PL Designer for transferring your procedures into a format for PL Mobile and PL Server to provide the web-site. For additional users in your group, usually you just need to purchase extra licenses for PL Mobile.

Benefits of Protocol Labacus

Protocol Labacus makes following procedures and checklists and recording observations and data easy and reliable. PL Mobile leads a user through a process step by step, in order, prompting for key information and reinforcing good practices. Data are transferred automatically to electronic storage as steps are completed - no need for users to remember to write things down or to transcribe notes into a computer later on.

Notes can be entered on the spot to capture comments, difficulties and changes. This information is vital when unexpected results are obtained; immediate recording improves reliability and enhances usefulness of observations. The procedure records are stored in a built-in database, allowing searching and datamining.

Workflow



Enter your procedure using **PL Designer**. Drag and drop text from pdfs or Word. Create new versions with a click as your process changes - version numbering and management are handled automatically.

Follow the procedure in the lab, clinic or field, entering observations, measurements and notes on the spot with **PL Mobile**. Repeat a procedure as many times as you like - each record is unique

The procedure report, including a full time-stamp record of all actions and observations is auto-generated and stored by **PL Server**. The report is easily printed or imported into other programs.

Hardware Requirements

Computer: You will need a computer to run PL Server with at least 250 MB of free disk space. The computer can be either a Windows or a Mac machine. RAM requirements vary by operating system:

- Windows XP: 1 GB RAM required; 2 GB RAM recommended
- Windows Vista, Windows 7, or Windows Server: 2 GB RAM required, 4 GB recommended
- Mac OS 10.5 (Leopard) or later:: 2 GB RAM required; 4 GB recommended

Note - Operating systems prior to Windows XP and Mac OS 10.5 are not supported. Linux is not supported.

Tablets: PL Mobile can be run on any tablet with a web browser, or on a laptop or desktop computer. The layout of PL Mobile is optimized for a 7" tablet but looks and works fine on a 10" tablet as well.

WiFi: To transfer data from a tablet to the computer running PL Server, you will need a wifi connection. PL Mobile can be run without an active connection to the computer running PL Server as long as you reestablish connection eventually so procedure data can be transferred and new procedures uploaded. WiFi connections can be provided by a mobile hotspot if you do not have WiFi in your building. If you run PL Mobile using a laptop or desktop that is wired into your network you do not need WiFi.