



LABTWIN FOR GLP ANIMAL RESEARCH



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With a digital lab assistant, you can follow Standard Operating Procedures (SOPs), record real-time experimental data, and accurately report findings. Adhere to GLP guidelines, strengthen your animal research and streamline regulatory paperwork.

RELAX KNOWING YOU ARE FOLLOWING GLP GUIDELINES ON ANIMAL WELFARE, CARE, HOUSING, AND EXPERIMENTATION.

Good Laboratory Practice (GLP) during preclinical studies ensures compliance when determining the safety, efficacy and mechanism of action of drug candidates. GLP requires researchers to follow strict guidelines and documentation during every study. This includes recording, initialing and dating every single step, deviation and authorization - a cumbersome process prone to human error.

A-HA MOMENT

A voice-activated digital lab assistant can read out validated SOPs to researchers, keeping their hands and eyes free to focus on delicate *in vivo* experiments. With a digital assistant, researchers can also record data in real time, and access information without using their hands. All animal care details as well as any deviations can now be tracked and noted on the spot.

A CLOSER APPROACH TO THE THREE RS PRINCIPLE WITH LABTWIN

The Three Rs Principle guides ethical animal research by aiming to reduce the number of animals required for research and improving animal welfare when there are no experimental alternatives. The Three Rs are:

REPLACEMENT

Wherever possible, replace the use of animals with alternative techniques such as cell or organoid culture, computer modeling and big data analysis. A digital lab assistant can help collect and collate data across an entire organization, facilitating data analysis and modeling.

REDUCTION

Design experiments to acquire similar levels of information from fewer animals, or obtain more information from the same number of animals. A digital lab assistant makes it possible to collect more experimental data and metadata from every study.

REFINEMENT

Employ methods which minimize suffering and enhance animal welfare. A digital lab assistant will keep guidelines and SOPs up-to-date and accessible from anywhere in the research facilities.

COMPLETE DATA TRACEABILITY

- > Full documentation of experimental design, reagent details, analyses and research facility information
- > Complete traceability of the origin and journey of each specimen, as well as researcher actions
- > Access to written and audio-enabled protocols for each study and automated tracking of protocol completion with time stamps and signatures

Contact us to [book a free information session](#).



“I really have to concentrate during my in vivo experiments. If I get one thing wrong, they don't work. So I need someone beside me writing everything down.”

KEY TAKEAWAYS

- > Information about the facilities such as temperature, humidity, ventilation, lighting etc. can now be recorded and included in a holistic report
- > Accommodation, care and transportation of animals can now be documented digitally to comply with local regulations
- > Personnel training status, research actions and study authorization material can be accessed from the mobile and web app
- > Protocol deviations and last-minute notes can be recorded simply by speaking
- > Paper records are no longer needed, instead each experiment will have a digital folder comprising all experimental details and additional elements of a study



“When I tried LabTwin, I found I could just say what I was doing and LabTwin would record it and tick off the protocol steps for me. The app also read out each step so I knew I wasn't missing anything.”