

Springer Protocols

The world's largest collection
of biomedical and life sciences protocols

- 15 comprehensive subject collections
- Based on tried and tested resources including Methods in Molecular Biology
- Available on link.springer.com and springerprotocols.com

Tested.
Trusted.



A good scientist has to ask the right questions, and they achieve this by designing appropriate experiments. This is where the protocols help in providing assured, tried and trusted procedures that gives the user confidence in the results obtained.

**John M. Walker, Editor-in-Chief,
SpringerProtocols**



Includes all volumes of the landmark series *Methods in Molecular Biology*

SpringerProtocols

SpringerProtocols is an invaluable resource for biomedical and life science researchers.

Researchers who use protocols want a quick and straightforward online resource they can trust, with content backed by excellent academic credentials. They want the information to be easy-to-access and practical to apply in the laboratory.

In biomedical and life science research, it is important to document the course of experiments precisely, so they can be reproduced by researchers in other labs. However, laboratory methods are often first published in the research literature, where details of what can go wrong, ways to circumvent problems, useful hints, tips and troubleshooting advice are rarely included. Using only the research literature, a researcher will not be able to accurately reproduce the experiment.

This problem is solved with SpringerProtocols! Laboratories can save time and money if they use trusted, reproducible methods instead of starting from scratch. SpringerProtocols offers step-by-step laboratory instructions, lists of the necessary equipment and materials and notes on troubleshooting and safety precautions.

Recreating experiments with ease and confidence

SpringerProtocols has the largest number of online protocols so your users can find the right protocol for their lab set-up, eliminating the need to compromise or find “work arounds.” Building on the heritage of **Methods in Molecular Biology Series** and content from other quality resources, your researchers can be sure that whichever protocol they choose, it will be the most reliable and robust method. Only SpringerProtocols provides current and alternative, versions of protocols. These alternative versions of protocols are important for use in labs that don’t have the latest equipment. SpringerProtocols guarantees access to the right protocols for your researchers, whether they are the newest or not.

Product Features at a Glance

- The largest collection of protocols available online
- Trusted, quality content including the critically acclaimed series **Methods in Molecular Biology**
- Rapid content growth; 2,500 – 3,500 protocols added annually
- No protocol is ever removed from the collection, rather alternative versions are added
- Integrated with SpringerLink
- Flexible options for access and rights
- Librarian management features
- Mobile website: protocols are available wherever researchers are

Recipes for Researchers

What are protocols used for?

By definition, a protocol is a procedural method for the design and implementation of an experiment. Protocols are written when it is necessary to standardize a laboratory method to ensure the successful replication of the results. The ability to reproduce an experiment is one of the cornerstones of the scientific method. For many experiments, tiny changes, perhaps in the order of adding chemicals, or the temperature of the lab, can have huge effects on the outcome. In addition to detailed procedures and lists of required equipment and materials, protocols often include information on safety precautions and what to expect from the end result. So when scientists want to know the details of an experiment, they need reliable details, from a trusted source.

Protocols are used during biomedical and life science experiments, with a wide range of applications, and an accurate understanding of a protocol is important for many reasons. Protocols identify, manipulate and explain biological processes, functions, structures and activities of molecular cell components. Biomedical and life science experiments, when successfully conducted with the help of the right and proper protocol, have the potential to create advancements that improve the way people live.

What do protocols look like?

All Springer protocols are written in the precise format pioneered in **Methods in Molecular Biology** series. This ensures researchers can always find the content they are looking for, exactly where they expect to find it.

Introduction: Presents the scope of the experiment, including necessary theory or background information

Materials: A list of all equipment and ingredients needed, addressing all time, temperature, and safety issues

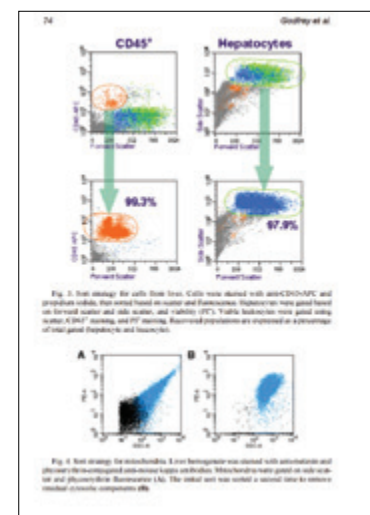
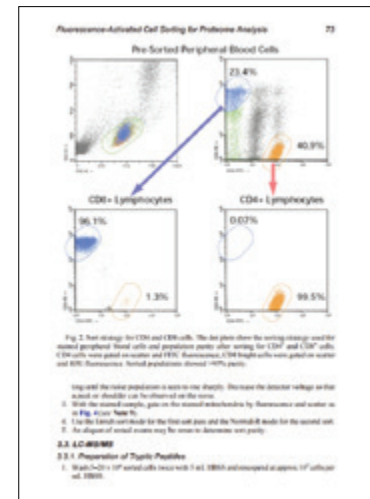
Methods: A step-by-step list of instructions to complete the experiment, correlated to the materials needed at each step

Notes: Tips, tricks, and troubleshooting advice directly from the protocol author to the researcher in the lab

SpringerProtocols publishes in 15 subject collections:

- Biochemistry
- Bioinformatics
- Biotechnology
- Cancer Research
- Cell Biology
- Genetics/Genomics
- Imaging/Radiology
- Immunology
- Infectious Diseases
- Microbiology
- Molecular Medicine
- Neuroscience
- Pharmacology/Toxicology
- Plant Sciences
- Protein Science

Protocols are precise step-by-step instructions for bench scientists to successfully conduct biological experiments



Benefits for researchers

- Unparalleled breadth and depth ensures that researchers can access the right protocol, saving valuable time and increasing the likelihood their experiment will be a success
- Quality, reviewed content means researchers can be confident that the protocol they choose will be the most reliable and accurate method for their work
- Flexible, collaborative features enhance the search process and give researchers additional information and context
- Mobile site means protocols are available wherever researchers are

Benefits for librarians

- Increase research productivity and improve the profile of your institution by giving your users access to a vast amount of reliable, reproducible protocols
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