

# SpringerProtocols

ADVANCING  
**DISCOVERY**

The world's largest collection of biomedical and life sciences protocols with over 58,000\* articles

- Based on tried and tested resources including **Methods in Molecular Biology**
- Available on **Springer Nature Experiments** to quickly find and evaluate the most relevant protocol

# SpringerProtocols is an invaluable resource for researchers

SpringerProtocols has the largest number of biomedical and life sciences protocols so your researchers can find the right protocol for their lab set-up, without the need to compromise or find work arounds.

Building on the heritage of Methods in Molecular Biology, your researchers can be sure that whichever protocol they choose, it will be the most reliable and robust method, helping to recreate experiments with ease and confidence.

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 best protocols for your researchers, whether they are the newest or not.

## Recipes for researchers

In biological, medical, and pharmaceutical 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 ingredients, and notes on troubleshooting and safety precautions.

## What do protocols look like?

All Springer protocols are written in the precise format pioneered in Methods in Molecular Biology. 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

## What are protocols used for?

Protocols are used during biomedical and life science experiments, with a wide range of applications. Biomedical and life science experiments, when successfully conducted with the help of the proper protocols, have the potential to create advancements that improve the way people live.

Protocols identify, manipulate, and explain biological processes, functions, structures, and activities of molecular cell components. They target cellular processes involved in disease, discover new approaches to treating disease, and develop new drugs and lower the cost of drug development.



■ Including all volumes of the landmark series [Methods in Molecular Biology](#)

*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 give the user confidence in the results obtained.*

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

### SpringerProtocols

is also available on [SpringerLink](#) for integrated search with ebooks and journals.

# Springer Nature Experiments, the unique research solution for protocols



SpringerProtocols's content is available on Springer Nature Experiments, the free-to-use platform that helps scientists discover the most relevant protocols for their research projects.

## How does it work?



Our cutting-edge AI and text-mining technologies recognize techniques and organisms in search queries to only return laboratory procedures that use them.



Users can review results on the search results page with number of downloads and citations and refine their search with sophisticated filters.

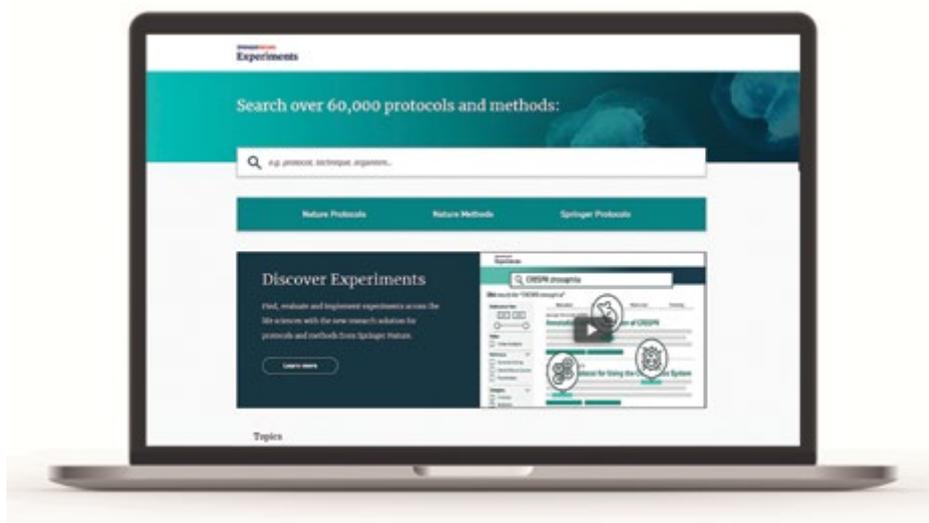


Users can assess specific protocols in depth on their dedicated article evaluation page, complete with figures and videos, citation history and related articles.

## SpringerProtocols cover numerous subject areas, including:

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

Built by researchers for researchers, Experiments helps scientists make faster and smarter experimentation decisions.



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## Key research benefits



Unparalleled breadth and depth ensure 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 robust method for their work



Springer Nature Experiments solution connects researchers with the most relevant protocols and help them accelerate their research projects

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