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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 an invaluable resource for researchers

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SpringerProtocols is also available on SpringerLink for integrated search with ebooks and journals.
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.

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Key research benefits

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