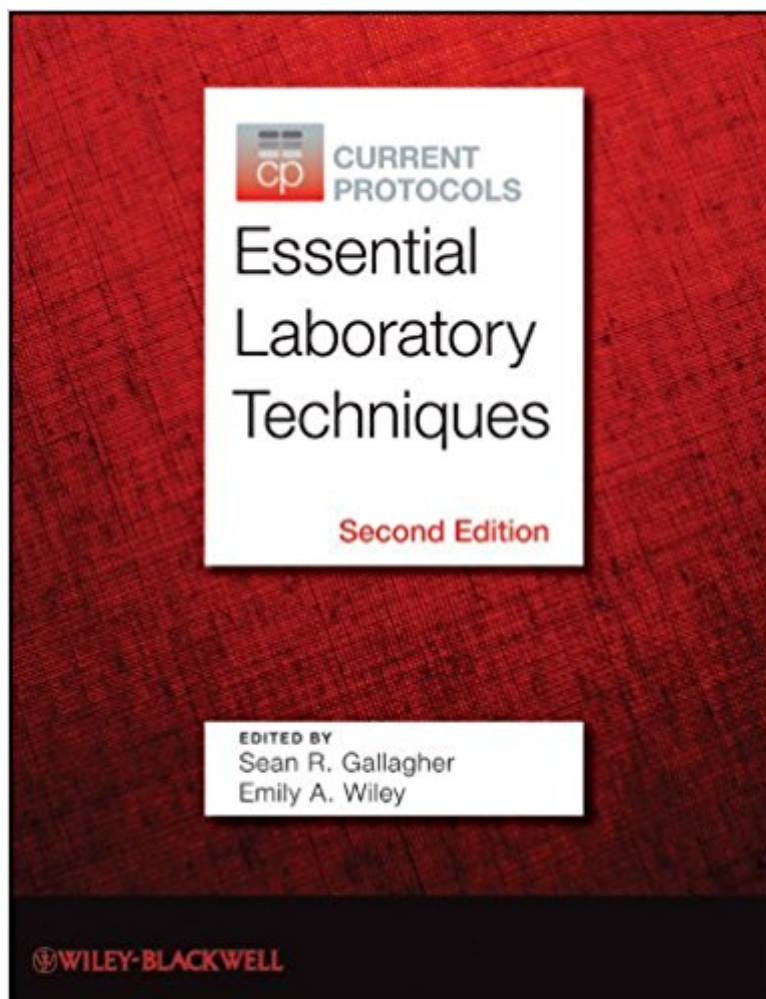




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Current Protocols Essential Laboratory Techniques



Synopsis

The latest title from the acclaimed Current Protocols series, Current Protocols Essential Laboratory Techniques, 2e provides the new researcher with the skills and understanding of the fundamental laboratory procedures necessary to run successful experiments, solve problems, and become a productive member of the modern life science laboratory. From covering the basic skills such as measurement, preparation of reagents and use of basic instrumentation to the more advanced techniques such as blotting, chromatography and real-time PCR, this book will serve as a practical reference manual for any life science researcher. Written by a combination of distinguished investigators and outstanding faculty, Current Protocols Essential Laboratory Techniques, 2e is the cornerstone on which the beginning scientist can develop the skills for a successful research career.

Book Information

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Customer Reviews

“Wow! This is really a great book for anyone learning about or working in a research laboratory.” (Doody’s, 30 August 2012)

Provides students with the solid grounding in biological laboratory techniques needed to pursue any major in the life and health sciences Building on the success of its American Publishers Award-winning predecessor, Current Protocols Essential Laboratory Techniques, Second Edition gives new researchers the skills and understanding of the fundamental laboratory procedures that are needed to run experiments, solve problems, and become a productive member of the modern

life science laboratory. An indispensable tool for readers, this Second Edition includes chapters on cell culture techniques, electrophoresis, microscopy, enzymatic reactions, and bioinformatics. In addition to covering measurement, preparation of reagents, blotting, chromatography, and real-time PCR, Current Protocols Essential Laboratory Techniques also: Teaches new investigators how to perform basic laboratory research techniques Explains solution chemistry and preparation Describes care and use of common equipment such as pH meters, spectrophotometers, centrifuges, and microscopes Covers basic laboratory safety Provides access to Current Protocols Essential Laboratory Techniques online Written by distinguished investigators and outstanding faculty, Current Protocols Essential Laboratory Techniques, Second Edition is a great source for beginning scientists who want to develop the skills for a fruitful career in research.

As you work in a lab, you learn that no one does things the same way. There are always little steps people put in to try and improve a protocol. Maybe it's rational, maybe it's just superstition. This book gives a solid foundation on which to build. It covers both the actual protocols and the theory behind the protocols. The book agrees pretty well with what I'm learning in my lab. There are a few minor discrepancies. I've found that a lot of labs add extra steps that are not needed. It probably worked slightly better, or didn't hurt, so the step stayed in the protocol. But it's probably not really needed. The book presents protocols without a lot of "do this step just in case", which I like.

The first edition was a good reliable text, so its good to see an update hitting the shelves. It has added chapters on new techniques including confocal, which I helped with (disclaimer).

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