



The Rat Brain in Stereotaxic Coordinates: Hard Cover Edition

By George Paxinos, Charles Watson

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This completely revised edition of **The Rat Brain in Stereotaxic Coordinates**, the second most cited book in science, represents a dramatic update from the previous edition. Based on a single rat brain, this edition features an entirely new coronal set of tissue cut in regular 120 micron intervals with accompanying photographs and drawings of coronal, horizontal and sagittal sections of this new set. The use of the single brain allows for greater consistency between sections, while advances in histochemistry techniques provides increased refinement in the definition of brain areas, making this the most accurate and detailed stereotaxic rat atlas produced to date. The atlas will also include a CD-ROM featuring all of the graphics and text. Every lab working with the rat as an experimental animal model will want to use this book as their atlas of choice.

This book is also available in a softcover spiral binding at the same price.

- * Includes twice as many coronal sections, nissl plates, and sagittal plates as the previous edition
- * Uses a single rat brain allowing for better consistency and better delineations in the line drawings of structures
- * Provides improved stereotaxic coordinates at a higher level of detail
- * Accompanying CD-ROM features graphics and text
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Editorial Review

Review

Praise for the Compact Third Edition:

"The compact edition of **The Rat Brain in Stereotaxic Coordinates** is a phenomenally useful research tool. It provides a complete and highly accurate map of the entire rat CNS. The CD version has proven to be highly practical. Quickly, we can generate brain drawings that are easily modified and can be used in scientific publications. My only regret is it cannot write the papers for our research studies."

--ARTHUR D. LOEWY, Washington University, St. Louis, Missouri

From the Publisher

Praise for the Compact Third Edition:

"The earlier edition was one of the most cited books, but this revised edition will definitely be more appreciated..." (*Saudi Medical Journal*)

"...a phenomenally useful research tool. ...The CD version has proven to be highly practical." (Arthur D. Loewy, Washington University, St. Louis, Missouri)

From the Back Cover

The Rat Brain in Stereotaxic Coordinates, Fourth Edition, is a comprehensive revision of the most authoritative and widely cited atlas in neuroscience. In addition to the completely revised coronal diagrams, the Fourth Edition contains thoroughly revised sagittal and horizontal diagrams of the brain. High-quality photographs accompany each diagram.

Key Features

- * The most accurate stereotaxic system available.
- * Contains 116 diagrams and 116 photographic plates of coronal, sagittal, and horizontal sections through the brain.
- * Contains thoroughly revised sagittal and horizontal diagrams as well as the revised set of the coronal diagrams that first appeared in the Compact Third Edition.
- * Depicts 22 levels of the spinal cord.

CD-ROM Features

- * Contains 117 diagrams (both labeled and unlabeled) of coronal, sagittal, and horizontal sections through the brain and spinal cord.
- * Contains sets of Adobe Acrobat 3.0 files which allow you to print, copy, and search the diagrams that appear in the print version. Adobe Acrobat Reader 3.0 is included on this CD-ROM.
- * Diagrams or parts of diagrams may be copied to most drawing or word-processor programs for custom labeling or alteration. More extensive editing can be achieved using the set of Adobe Illustrator (3.0) files which are included on the CD-ROM. These files can be edited with Adobe Illustrator and other graphics programs such as CorelDraw.
- * For Teaching Purposes: Includes a special set of 69 color plates (of the original atlas sections) for use in computer labs or for making slides.
- * Multiplatform CD for use on both Macintosh and PCs.

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Jose Gray:

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