

Acta Physiologica Sinica Data Deposition Instructions

I. Purpose and Scope

In compliance with national policies on scientific data deposition, to enable scrutiny by the academic community and establish a bidirectional-linkage mechanism between papers and underlying data, *Acta Physiologica Sinica* implements the deposition of paper-related data.

“Paper-related data” refers to raw data and its derived data that support the research conclusions of a paper. The scope recommended for deposition in *Acta Physiologica Sinica* includes but is not limited to:

1. Raw and processed data directly supporting paper conclusions and generating figures/tables, e.g., raw acquired data of electrophysiological waveforms, gene-sequencing data, bioinformatics analysis data, etc.;
2. Statistical-analysis codes, model algorithms and script programs;
3. Appendices and experimental records omitted due to constraints on article length;
4. Multimedia materials and other relevant supporting documents.

II. Principles for Data Deposition

This journal adopts a flexible policy framework of **encouraged sharing and categorized management**:

1. Principle requirement: Paper-related data of research papers shall be deposited and shared to the greatest extent feasible.

2. **Protective exceptions:** Data involving research ethics, patient privacy, sensitive information or confidential data inappropriate for public disclosure may apply for conditional access or access-upon-request.
3. **Voluntary supplements:** Raw data generated in research but not reflected in the paper are encouraged for voluntary sharing.

III. Data Submission Repository

Authors shall submit data via the dedicated data community for *Acta Physiologica Sinica* hosted by the Science Data Bank (ScienceDB). Community URL: <https://www.scidb.cn/c/actaps>

IV. Data Submission Workflow

1. **Registration and Login:** Visit the ScienceDB platform (<https://www.scidb.cn>), register and log in with a personal account.
2. **Enter the Community:** Navigate to the dedicated *Acta Physiologica Sinica* data community (<https://www.scidb.cn/c/actaps>).
3. **Create Dataset:** Click “Data Submission”, fill in dataset metadata (title, authors, abstract, keywords, etc.), upload data files, and select a data-sharing mode.
4. **Temporary Storage and Revision:** Submitted data may be saved as a draft; information can be modified at any time until formal submission.
5. **Data Review:** After formal stylistic review by the journal editorial office, ScienceDB assigns dual unique identifiers: DOI and CSTR.
6. **Data Release:** Upon approval, data are officially released and retrievable on the repository.

V. Requirements for Data File Formats

1. **Preferred formats:** General formats suitable for long-term preservation including CSV, TXT, PDF/A, JPEG, TIFF, etc.

2. **File naming:** It is recommended to name files following the pattern “manuscript number_data content” for convenient correlation.
3. **Data annotation:** Brief descriptions for data files are recommended, specifying variable definitions, data sources, processing procedures, etc.
4. **Sensitive data:** Human-subject-related data must undergo anonymization / irreversible desensitization processing.

VI. Data Availability Statement

Authors must add a **Data Availability Statement** section after the main text and before references of the manuscript. Please select the appropriate template according to actual conditions:

1. **General Template:** The paper-related data (DOI/CSTR: ____) of this paper are available in the Science Data Bank (ScienceDB) (<https://www.scidb.cn/c/actaps>).
2. **Data requiring special software to open:** The paper-related data (DOI/CSTR: ____) of this paper are available in the Science Data Bank (ScienceDB) (<https://www.scidb.cn/c/actaps>). Software required to open the dataset: _____.
3. **Data inappropriate for open sharing:** The paper-related data of this paper are not suitable for public sharing and may be obtained from the authors upon reasonable request. Author contact information: _____.

VII. Data Citation Specification

Authors are encouraged to list published datasets in references. Recommended citation format:

No. Author(s). Dataset title[DS/OL]. Science Data Bank (ScienceDB). Version (if applicable). Acta Physiol Sin. [Reference Date]. DOI.

VIII. Rights and Liabilities

1. **Authors' rights:** Authors retain intellectual-property rights over data; authors independently select data-license agreements (CC-BY 4.0 is recommended).
2. **Authors' liabilities:** Authors bear full responsibility for data authenticity, legality and desensitization processing.
3. **Journal responsibilities:** Conduct stylistic review of data and establish correlation matching between papers and datasets.
4. **Repository responsibilities:** ScienceDB guarantees long-term preservation and persistent accessibility of deposited data.

IX. Implementation Arrangement

This policy applies to all manuscripts submitted from the effective date onward. For previously-submitted archived manuscripts, encouragement will be prioritized in the initial phase for progressive implementation.

X. Contact Information

For inquiries, please contact the journal editorial office (actaps@sinh.ac.cn) or ScienceDB technical support (sciencedb@cnic.cn).

Editorial Office of Acta Physiologica Sinica

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Attachment: [Data Policy for Depositing & Sharing Paper Related Data](#)