**Biobank Data Storage Application**

Applicant/Institution Information:

- Institution Name:

- Applicant Name:

- Position/Title:

- Contact Phone:

- Email:

- Mailing Address:

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1. Application Overview

This application aims to submit a biological sample dataset to the \*\*[Biobank Management Institution Name]\*\* (hereinafter "Biobank") for storage. The dataset comprises rigorously collected, organized, and quality-controlled biological sample-related data. Our goal is to facilitate data sharing, utilization, and protection to advance scientific research.

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2. Dataset Description

2.1 Data Type and Source

-Data Types: Genomic data, transcriptomic data, proteomic data, clinical information, phenotypic data, etc.

-Data Source: Include sample collection locations, timeframes, population characteristics, disease status, etc.

2.2 Data Volume

- Sample Size: Number of samples and data points.

- Storage Requirements: Estimated total file size or storage space.

2.3 Data Format and Standards

- File Formats: FASTQ, VCF, CSV, Excel, etc.

- Compliance: International standards (e.g., MINSEQE, OMICS-DI).

2.4 Data Quality Control

- Measures: Sample quality control, sequencing quality checks, data cleaning, etc.

- Documentation: Quality control reports or certificates.

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3. Data Usage Plan

3.1 Research Purpose

-Objectives Support scientific research, advance disease diagnosis/therapy, biomarker discovery, etc.

3.2 Research Team

-Members: Key researchers, backgrounds, and relevant expertise.

3.3 Ethics and Compliance

-Guidelines: Ethical standards and legal compliance during data collection, processing, and usage.

- Approvals: Ethical review approval documents and privacy protection measures.

3.4 Data Sharing and Collaboration

- Conditions: Willingness to share data with other institutions/researchers, terms, and methods.

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4. Applicant Commitments

The applicant pledges to:

- Ensure data authenticity, accuracy, and completeness.

- Comply with biobank regulations, ensuring data security and privacy.

- Use data only for approved purposes.

- Acknowledge the biobank in publications or public results.

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5. Attachments

- Quality Control Reports

- Ethical Review Approval Documents

- Research Team Profiles

- Other Supporting Documents

Applicant Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: Complete this template with accurate and complete information. Additional details may be appended as needed.