



**CENTER FOR DRUG REGULATION AND RESEARCH**  
**LIST OF REQUIREMENTS FOR REGISTRATION OF NEW DRUG**  
**PRODUCTS UNDER MONITORED RELEASE**

- Part I: Administrative Data and Product Information
- Sec. A Introduction
- Sec. B Table of Contents
1. Integrated Application Form
  2. Letter of Authorization (where applicable)
  3. Certifications
  4. Labeling
  5. Product Information
- Sec. C Guidance on the Administrative Data and Product Information
1. Application Form
  2. Letter of Authorization (where applicable)
  3. Certifications
    - For contract manufacturing:
      - a. License of pharmaceutical industries and contract manufacturer
      - b. Contract manufacturing agreement
      - c. GMP certificate of contract manufacturer
    - For manufacturing “under-license”
      - a. License of pharmaceutical industries
      - b. GMP certificate of the manufacturer
      - c. Copy of “under-license” agreement
    - For locally manufactured
      - a. License of pharmaceutical industries
      - b. GMP certificate (country specific)
    - For imported products
      - a. License of pharmaceutical industries/importer/wholesaler (country specific)
      - b. Certificate of Pharmaceutical Product issued by the competent authority in the country of origin according to the current WHO format
  4. Labeling
  5. Product Information
    - 5.1. Package Insert
    - 5.2. Summary of Product Characteristics (Product Data Sheet)
- Part II: Quality
- Sec. A Table of Contents
- Sec. B Quality Overall Summary
- Sec. C Body of Data
- Drug Substance (S)
  - S 1 General Information
    - S 1.1. Nomenclature

- S 1.2. Structural Formula
- S 1.3. General Properties
- S 2 Manufacture
  - S 2.1. Manufacturer(s)
  - S 2.2. Description of Manufacturing Process and Process Controls
  - S 2.3. Control of Materials
  - S 2.4. Control of Critical Steps and Intermediates
  - S 2.5. Process Validation and/or Evaluation
  - S 2.6. Manufacturing Process Development
- S 3 Characterization
  - S 3.1. Elucidation of Structure and Characteristics
  - S 3.2. Impurities
- S 4 Control of Drug Substance
  - S 4.1. Specifications
  - S 4.2. Analytical Procedures
  - S 4.3. Validation of Analytical Procedures
  - S 4.4. Batch Analyses
  - S 4.5. Justification of Specifications
- S 5 Reference Standards or Materials
- S 6 Container Closure System
- S 7 Stability

#### Drug Product (P)

- P 1 Description and Composition
- P 2 Pharmaceutical Development
  - P 2.1. Information on Development Studies
  - P 2.2. Components of the Drug Product
    - P 2.2.1. Active Ingredients
    - P 2.2.2. Excipients
  - P 2.3. Finished Product
    - P 2.3.1. Formulation Development
    - P 2.3.2. Overages
    - P 2.3.3. Physicochemical and Biological Properties
  - P 2.4. Manufacturing Process Development
  - P 2.5. Container Closure System
  - P 2.6. Microbiological Attributes
  - P 2.7. Compatibility
- P 3 Manufacture
  - P 3.1. Batch Formula
  - P 3.2. Manufacturing Process and Process Control
  - P 3.3. Controls of Critical Steps and Intermediates
  - P 3.4. Process Validation and/or Evaluation
- P 4 Control of Excipients
  - P 4.1. Specifications
  - P 4.2. Analytical Procedures
  - P 4.3. Excipients of Human and Animal Origin
  - P 4.4. Novel Excipients
- P 5 Control of Finished Product
  - P 5.1. Specifications
  - P 5.2. Analytical Procedures

- P 5.3. Validation of Analytical Procedures
- P 5.4. Batch Analyses
- P 5.5. Characterization of Impurities
- P 5.6. Justification of Specifications
- P 6 Reference Standards or Materials
- P 7 Container Closure System
- P 8 Product Stability

Part Nonclinical Document

III:

Sec. A Table of Contents

Sec. B Nonclinical Overview

- 1. General Aspect
- 2. Content and Structural Format

Sec. C Nonclinical Written and Tabulated Summaries

- 1. Nonclinical Written Summaries
  - 1.1. Introduction
  - 1.2. General Presentation Issues
- 2. Content of Nonclinical Written and Tabulated Summaries
  - 2.1. Pharmacology
    - 2.1.1. Written Summary
      - 2.1.1.1. Primary Pharmacodynamics
      - 2.1.1.2. Secondary Pharmacodynamics
      - 2.1.1.3. Safety Pharmacology
      - 2.1.1.4. Pharmacodynamic Drug Interactions
    - 2.1.2. Tabulated Summary
  - 2.2. Pharmacokinetics
    - 2.2.1. Written Summary
      - 2.2.1.1. Absorption
      - 2.2.1.2. Distribution
      - 2.2.1.3. Metabolism
      - 2.2.1.4. Excretion
      - 2.2.1.5. Pharmacokinetic Drug Interaction (Nonclinical)
    - 2.2.2. Tabulated Summary
  - 2.3. Toxicology
    - 2.3.1. Written Summary
      - 2.3.1.1. Single-Dose Toxicity
      - 2.3.1.2. Repeat-Dose Toxicity
      - 2.3.1.3. Genotoxicity
      - 2.3.1.4. Carcinogenicity
      - 2.3.1.5. Reproductive and Developmental Toxicity
        - 2.3.1.5.1. Fertility and Early Embryonic Development
        - 2.3.1.5.2. Embryo-Foetal Development
        - 2.3.1.5.3. Prenatal and Postnatal Development
      - 2.3.1.6. Local Tolerance
      - 2.3.1.7. Other Toxicity Studies (if available)
    - 2.3.2. Tabulated Summary
- 3. Nonclinical Tabulated Summaries

Sec. D Nonclinical Study Reports

1. Table of Contents
  2. Pharmacology
    - 2.1. Written Study Reports
      - 2.1.1. Primary Pharmacodynamics
      - 2.1.2. Secondary Pharmacodynamics
      - 2.1.3. Safety Pharmacology
      - 2.1.4. Pharmacodynamic Drug Interactions
  3. Pharmacokinetics
    - 3.1. Written Study Reports
      - 3.1.1. Analytical Methods and Validation Reports
      - 3.1.2. Absorption
      - 3.1.3. Distribution
      - 3.1.4. Metabolism
      - 3.1.5. Excretion
      - 3.1.6. Pharmacokinetic Drug Interaction (Nonclinical)
      - 3.1.7. Other Pharmacokinetic Studies
  4. Toxicology
    - 4.1. Written Study Reports
      - 4.1.1. Single-Dose Toxicity
      - 4.1.2. Repeat-Dose Toxicity
      - 4.1.3. Genotoxicity
        - 4.1.3.1. *In vitro* Reports
        - 4.1.3.2. *In vivo* Reports
      - 4.1.4. Carcinogenicity
        - 4.1.4.1. Long Term Studies
        - 4.1.4.2. Short or Medium Term Studies
        - 4.1.4.3. Other Studies
      - 4.1.5. Reproductive and Developmental Toxicity
        - 4.1.5.1. Fertility and Early Embryonic Development
        - 4.1.5.2. Embryo-Foetal Development
        - 4.1.5.3. Prenatal and Postnatal Development
        - 4.1.5.4. Studies in which the Offspring are Dosed and/or further Evaluated
      - 4.1.6. Local Tolerance
      - 4.1.7. Other Toxicity Studies (if available)
        - 4.1.7.1. Antigenicity
        - 4.1.7.2. Immunotoxicity
        - 4.1.7.3. Dependence
        - 4.1.7.4. Metabolites
        - 4.1.7.5. Impurities
        - 4.1.7.6. Other
- Sec. E List of Key Literature References
- Part Clinical Document  
IV:
- Sec. A Table of Contents
- Sec. B Clinical Overview
  1. Product Development Rationale
  2. Overview of Biopharmaceutics
  3. Overview of Clinical Pharmacology

4. Overview of Efficacy
  5. Overview of Safety
  6. Benefits and Risks Conclusions
- Sec. C Clinical Summary
1. Summary of Biopharmaceutical Studies and Associated Analytical Methods
    - 1.1. Background and Overview
    - 1.2. Summary of Results of Individual Studies
    - 1.3. Comparison and Analyses of Results across Studies
 Appendix 1
  2. Summary of Clinical Pharmacology Studies
    - 2.1. Background and Overview
    - 2.2. Summary of Results of Individual Studies
    - 2.3. Comparison and Analyses of Results across Studies
    - 2.4. Special Studies
 Appendix 2
  3. Summary of Clinical Efficacy
    - 3.1. Background and Overview of Clinical Efficacy
    - 3.2. Summary of Results of Individual Studies
    - 3.3. Comparison and Analyses of Results across Studies
      - 3.3.1. Study Populations
      - 3.3.2. Comparison of Efficacy Results of all Studies
      - 3.3.3. Comparison of Results in Sub-populations
    - 3.4. Analysis of Clinical Information Relevant to Dosing Recommendations
    - 3.5. Persistence of Efficacy and/or Tolerance Effects
 Appendix 3
  4. Summary of Clinical Safety
    - 4.1. Exposure to the Drug
      - 4.1.1. Overall Safety Evaluation Plan and Narratives of Safety Studies
      - 4.1.2. Overall extent of Exposure
      - 4.1.3. Demographic and Other Characteristics of Study Population
    - 4.2. Adverse Events
      - 4.2.1. Analysis of Adverse Events
        - 4.2.1.1. Common Adverse Events
        - 4.2.1.2. Deaths
        - 4.2.1.3. Other Serious Adverse Events
        - 4.2.1.4. Other Significant Adverse Events
        - 4.2.1.5. Analysis of Adverse Events by Organ System or Syndrome
      - 4.2.2. Narratives
    - 4.3. Clinical Laboratory Evaluations
    - 4.4. Vital Signs, Physical Findings, and Other Observations Related to Safety
    - 4.5. Safety in Special Groups and Situations
      - 4.5.1. Patient Groups
      - 4.5.2. Drug Interactions
      - 4.5.3. Use in Pregnancy and Lactation
      - 4.5.4. Overdose

- 4.5.5. Drug Abuse
- 4.5.6. Withdrawal and Rebound
- 4.5.7. Effects on Ability to Drive or Operate Machinery or Impairment of Mental Ability
- 4.6. Post-Marketing Data
- Appendix 4
- 5. Synopses of Individual Studies
- Sec. D Tabular Listing of All Clinical Studies
- Sec. E Clinical Study Reports (if applicable)
  - 1. Reports of Biopharmaceutic Studies
    - 1.1. Bioavailability (BA) Study Reports
    - 1.2. Comparative BA or Bioequivalence (BE) Study Reports
    - 1.3. *In vitro-In vivo* Correlation Study Reports
    - 1.4. Reports of Bioanalytical and Analytical Methods for Human Studies
  - 2. Reports of Studies Pertinent to Pharmacokinetics Using Human Biomaterials
    - 2.1. Plasma Protein Binding Study Reports
    - 2.2. Reports of Hepatic Metabolism and Drug Interaction Studies
    - 2.3. Reports of Studies Using Other Human Biomaterials
  - 3. Reports of Human Pharmacokinetic (PK) Studies
    - 3.1. Healthy Subject PK and Initial Tolerability Study Reports
    - 3.2. Patient PK and Initial Tolerability Study Reports
    - 3.3. Population PK Study Reports
  - 4. Reports of Human Pharmacodynamic (PD) Studies
    - 4.1. Healthy Subject PD and PK/PD Study Reports
    - 4.2. Patient PD and PK/PD Study Reports
  - 5. Reports of Efficacy and Safety Studies
    - 5.1. Study Reports of Controlled Clinical Studies Pertinent to the Claimed Indication
    - 5.2. Study Reports of Uncontrolled Clinical Studies
    - 5.3. Reports of Analyses of Data from more than One Study, Including any Formal Integrated Analyses, Meta-Analyses, and Bridging Analyses
    - 5.4. Other Clinical Study Reports
  - 6. Reports of Post-Marketing Experience
  - 7. Case Report Forms and Individual Patient Listing
- Sec. F List of Key Literature References

**Additional Requirements:**

- 1) Representative Sample with corresponding Certificate of Analysis
- 2) Risk Management Plan
- 3) For imported products:
  - (a) Foreign GMP Clearance

Notes:

- All documentary requirements must be in PDF format to be submitted to PAIR
- Image files should be at least 150 dots per inch (dpi)

- A hard copy of the integrated application form is required
- Samples may be submitted at a later date, e.g. when the application has already been decked as indicated in the Document Tracking System
- ICH Common Technical Document format is acceptable provided that the products are approved in ICH member countries/ regions