

Table of Contents

CHO Cell - tPA CORE PRODUCTION SYSTEM

PRODUCTION

Upstream Processing

▶ SOP: Batch Culture of Recombinant tPA Secreting CHO Cells.....	01
▶ SOP: Applikon Bioreactor Operation.....	07
▶ SOP: Trypan Blue Assay.....	21
▶ SOP: Kodak IBI Biolyzer Operation.....	25
▶ SOP: Kodak EKTACHEM DT Pipettor.....	27
▶ Batch Record: tPA Production from CHO Cells.....	29
▶ Competencies List: Upstream Processing.....	45

Downstream Processing

▶ SOP: Ion Exchange Chromatography of tPA.....	47
▶ SOP: BioLogic LP Chromatography System Operation.....	51
▶ Batch Record: tPA Production from CHO Cells Downstream Process.....	61
▶ Competencies List: Downstream Processing.....	67

QUALITY CONTROL

QC Biochemistry

▶ SOP: SDS-PAGE.....	69
▶ SOP: Xcell SureLock Mini-Cell Gel Box.....	73
▶ SOP: tPA (direct) ELISA.....	77
▶ SOP: tPA (activity) ELISA.....	81
▶ SOP: BioTek Elx 8080UI Automated Microplate Reader.....	85
▶ Competencies List: Quality Control Biochemistry.....	89

Appendix

▶ Protocol: Short Protocol for Human Tissue Plasminogen Activator (tPA) Production in a Spinner Flask.....	91
--	----

