**CELL CULTURE SYSTEMS LESSON HOMEWORK TOPICS (2024)**

* Good Laboratory Practises (GLP)
* Good Manufacturing Practises (GMP)
* Transfection and Cell Culture
* Imaging Systems Used in Cell Cultivation
* 3D Cell Culture Models
* Importance of Cell Cultivation in Development of Anticancer Drugs
* Isaolation and Purification of Antigenic Molecules from Bacterial Cell Cultivation
* Serum-Free Mediums and Application Fields
* Use of Transgenic Animal Models for Biomedical Researches
* Cell Culture and Virology
* Histolojgic Staining Techniques
* Production of Humanized Monoclonal Antibodies
* Organoids and Application Fields
* Car-T Cell Based Vaccine Applications
* Applications of Bioinks in Tissue Engineering
* SMA and Gene Therapy
* Use of Flow Cytometry in Cell Culture Researches
* Use of Confocal Microscopy in Cell Culture Researches
* Stem Cell-Mediated Cellular Therapy Approaches
* Development of Biotechnologic Products in Bioreactor Systems
* Applications of Extracellular Vesicles in Medicine
* Creation of In Vitro Disease Models for Nervous System Disorders