

Experienced Cell Culture Process Development Associate

Professional Profile

Conscientious individual with skills in cell culture, process development and biotechnology laboratory. Planned, scheduled, performed and supported upstream and downstream processes. Experience with operating and troubleshooting laboratory instruments and laboratory standards. Wrote and modified Standard Operating Procedure. Detail oriented; able to work independently, or with supervision and as a supportive team member. Proficient in MS Word, MS Excel, and MS PowerPoint.

Core Skills

Cell Culture / Fermentation / Purification / Process Development / Documentation / Filtration Solutions Preparations / Quality Control/ GraphPad Prism / Microsoft Products / Electronic Laboratory Notebook

Professional Experience

Amgen West Greenwich, RI 02/2012- 11/2015

Worked Amgen in various contract positions with Areotek, Eurofins Lancaster and Thermo Fisher Scientific.

Team Lead-Media Sciences **Thermo Fisher Scientific** 12/2014 – 11/2015

- Authored and reviewed Standard Operating Procedures (SOP) in a quality data base (EDMQ)
- Revised SOPs
- Operated and lead operations on High Temperature Short Time (HTST) with use of Delta V
- Scheduled media and buffer batching for three departments
- Batched media and buffer for medium scale and small scale in Electronic Laboratory Notebook
- Designed and facilitated training for three Senior Site Specialists

Scientist II-Group Leader-Media Sciences **Eurofins Lancaster Laboratories** 02/2013 - 12/2014

- Wrote procedure into Standard Operation Procedures
- Revised SOPs
- HTST (Small[Armfield] and Pilot Scale)
- Scheduled media and buffer batching for three departments
- Batched media and buffer for medium scale and small scale in Electronic Laboratory Notebook
- Batched media and buffers for multiple molecule

Process Development Associate-Cell Sciences **Aerotek** 02/2012 - 02/2013

- Performed routine cell culture on CHO cell for up scaling into 2L & 3L bioreactors.
- Harvested bioreactors for further analysis.
- Collation, consolidation and verification from lab notebooks spanning development of a process across 4 year for scale up and commercialization

PepsiCo (Temporary Position-Abacus Services Corporation)
Lab Tech-Cell Biology

05/2011 – 10/2011
New Haven, CT

- Maintained cell culture for weekly experiments.
- Determined antibody concentrations for all 10 antibodies in stock.
- Maintained proper documented Notebook of all results and observations
- Designed and executed validation experiment that increase pulsatile of muscle cells
- Established Growth Curve of C2C12 (mouse muscle cells) in six well plates

Wesleyan University
Graduate Student– Molecular Biology and Biochemistry

08/2008 – 04/2011
Middletown, CT

- Investigated role of signal protein interacts with SecA protein
- Determined binding affinity of 3 signal protein to SecA using fluorescence anisotropy
- Performed site directed mutagenesis to change multiple amino acids.
- Purified His-tag and un-tagged SecA protein using SP Sephose or Ni²⁺ resin.

MicroTest Laboratories (temporary Position-Joule Scientific)
Virology Analyst-Virology

10/2007 – 03/2008
Agawam, MA

- Maintained cell culture of 5 cells (VERO, MRC-5, ST, BT and Du145) lines for daily operations.
- Created 4 Master Cell Banks. (Vero, MRC-5, ST, and BT)
- Performed all task under regulations of the 9CFR
- Maintained good laboratory record keeping

Protein Sciences Corporation
Research Associate-Process Development

08/2004 – 06/2006
Meriden, CT

Military Service

Connecticut Army National Guard
Infantryman

December 2000 December 2008

- Honorable Discharge

Education

Wesleyan University, Middletown, CT

PhD Molecular Biology and Biochemistry concentration in Molecular Biophysics

48.75 credits toward PhD in Molecular Biology and Biochemistry

Central Connecticut State University, New Britain, CT

MA Biomolecular Sciences,

Thesis: Purification and characterization of an antimicrobial compound secreted by a soil bacterium

BS Biology