FROM CELLS TO LIFE-CHANGING MEDICINES

At Regeneron, our dedicated Industrial Operations and Product Supply (IOPS) team turns cutting-edge science into high-quality biologic medicines to improve patients’ lives worldwide.

- **CELL LINE EXPANSION**
  - The manufacturing process starts with a vial of identical cells that grow and multiply under the watchful eye of specialists.

- **PURIFICATION**
  - The target protein is isolated, purified and concentrated in a multi-step process to ensure it is of the highest quality.
  - The harvesting process separates protein and media from cellular debris, first through centrifugation and then by a sequence of increasingly fine filters.

- **FORMULATION & DISPENSING**
  - Buffers are added to maintain the therapeutic protein at a desired concentration. Then, product is dispensed into containers to ensure stability through the entirety of the drug’s shelf life.

- **PRODUCTION**
  - Cells continue to grow for a specified amount of time in the controlled bioreactor environment to produce an optimal amount of the target protein.

- **HARVEST**
  - From IOPS, the formulated drug substance is filled into the appropriate vials or syringes, labeled and packaged for distribution.

COMMITTED TO QUALITY

Regeneron fosters a culture of collaboration, teamwork, continuous improvement and always doing the right thing - all with the goal of delivering the highest quality medicines to patients.