

Biologic Monoclonal Antibody (mAb) Development Process

PHASE 1

Cell Line Development and Selection

Scientists study and analyze more than one billion potential molecular sequences to yield one that can be advanced to clinical development and manufacturing. Like unique snowflakes, no two sequences are the same.



PHASE 2

Product Formulation and Manufacturing Process

Janssen's proprietary monoclonal antibody (mAb) upstream and downstream manufacturing processes focus on stability, sterility and reproducibility for patients worldwide.



mAb Bulk Process



Cell Culture:
Grow cells & produce mAb



Capture:
Concentrate mAb



Purification:
Polish and remove impurities & inactivate and remove viruses

PHASE 3

Fill, Finish and Distribution

Once the mAb is manufactured, it is carefully packaged, labeled and distributed to the millions of patients who need it.

