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INFOSYS SAP PERSONALIZED MEDICINE SOLUTION

Changing the world by impacting one patient at a time!

Personalized Medicine – The future of patient treatments

Over the last few decades, the business model in life sciences industry is steadily shifting from product-centric supply chain to patient-centric one. Personalized medicine involves treating patient based on the patient's unique genetic and molecular profile. The new therapies help significantly improve patient outcomes at the same time offering new business opportunities for pharma companies.
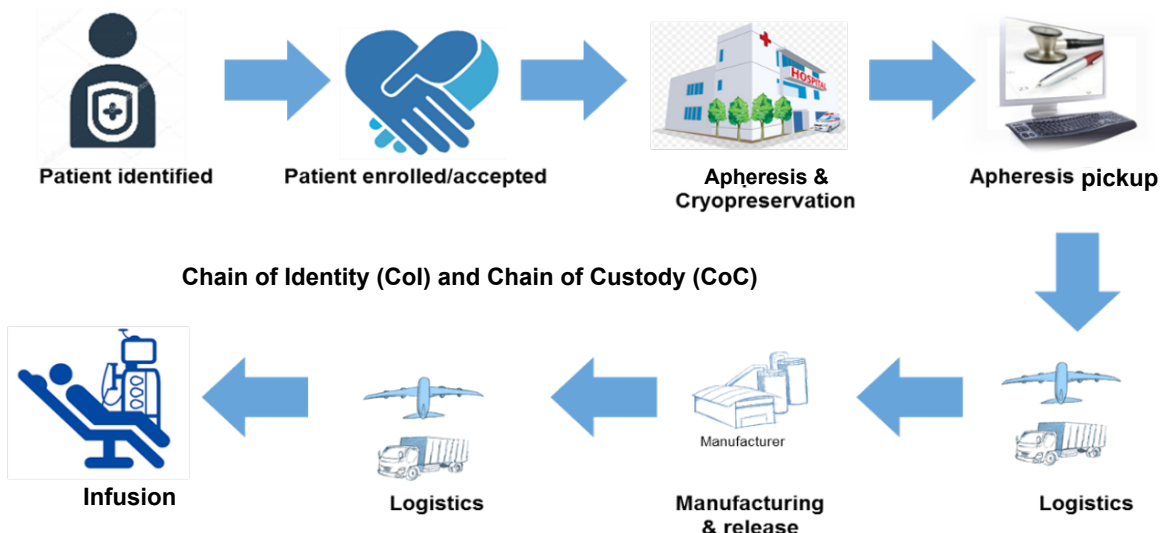

Personalized treatments (cell and gene therapies) is one of the key growth areas for pharma manufacturers and it demands faster response time and hence close collaboration of suppliers, manufacturers, and service providers.

Infosys SAP Personalized Medicine solution will help pharma companies adopt an end-to-end solution that improves supply chain visibility and efficiency and achieve improved patient experience and overall outcomes.

The solution encompasses the key functions of Patient Management, Supply Chain as well as Regulatory Compliance. The solution leverages SAP Cloud Platform (SCP) for designing front end, S/4HANA for manufacturing and supply chain capabilities and SAP Analytics Cloud for reporting and analytics of the treatment life cycle.

Patient identified → Patient enrolled/accepted → Apheresis & Cryopreservation → Apheresis pickup

Chain of Identity (CoI) and Chain of Custody (CoC)

Infusion ← Logistics ← Manufacturing & release ← Logistics

Key features:

- Cold chain monitoring enabled leveraging IoT

- Regulatory compliance including digital signatures, chain of identity and chain of custody in built in the solution

- Patient experience management encompassing everything from enrollment to infusion

- Control tower concept for E2E monitoring and reporting

- Built leveraging SAP S/4HANA, SAP Cloud Platform (SCP) and SAC – offering native integration capabilities

Business benefits delivered:

Real-time monitoring of treatment life cycle offers to reduce treatment life cycle time by **10-20%**

Reduces solution implementation time by **30-40%** with optimal implementation timeline of less than six months allowing for quicker product launches

Seamlessly fits onto the current business processes with minimal disruption

Modular solution that allows companies to adopt at their own pace, while providing a future proof platform

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