Brochure

LTIMindtree's T-Cell Therapy Deployment Solution

SAP based Personalized Supply Chain
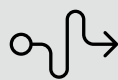
What are T-Cells ?

T-cells, also known as CAR T-cells, are genetically engineered chimeric antigen receptor cells. These T-cells produce artificial T-cell receptors used in immunotherapy for cancer patients. When infused into a patient, the T-cells act as a "living drug" against cancer cells.

Today, life sciences organizations experience specific challenges across the T-Cell delivery process, including:

Complex process with limited real-time monitoring for therapy registration, transportation, processing, and treatment appointments

Lack of end-to-end processstrack and trace capabilities inreal-time within SAP systems-connected with hospital-patient monitoring systems

Difficulty in patient scheduling aligned with the production schedule

What is LTIMindtree's T-Cell Therapy Solution?

- LTIMindtree's T-Cell Therapy Solution addresses relevant challenges and provides a seamless platform to track the end-to-end patient treatment cycle

- Our solution tracks all the stages – from patient registration to T-cell sample infusion – delivering real-time visibility into the entire chain of events. It helps plan the capacity in the plant and schedule the patient infusion accordingly

- With T-Cell Therapy Solution, you can handle multiple therapies in multiple regions, while ensuring tight integration with the ERP system

Salient Features of LTIMindtree's T-Cell Therapy Solution

- Efficient compliance scheduling and monitoring system

- Closely integrated with ERP Systems and Warehouse Management

- End-to-end supply chain process at the plant, including patient information, Apheresis, and infusion center, physician, and logistics carrier

- Provides visibility into patient's time and temperature-sensitive blood during shipment

- This solution is compatible with both ECC as well as S/4 Hana platform

- Validates appropriate Logistics carrier and Apheresis inbound transport, outbound to the infusion center

- Ensures T-cells are processed and returned to the same patient according to the required timelines

- Improves capacity planning for T-cells therapy deployment

- Enables real-time processing of Apheresis at the plant, enforcing quality control norm-sand documentation requirements

- Handles multiple therapies in multiple regions

How LTIMindtree's T-Cell Therapy Solution Helps Pharmaceutical Companies?

Our SAP-certified solution is a best-fit, holistic supply-chain delivery capability encompassing processes and procedures compliant with local regulations (FDA, HIPAA, GMP, and more) and a self-contained audit trail. **The solution provides:**

100% tracking and tracing of batch numbers with both external and internal stakeholders

Improves capacity planning at theprocessing plant by **25%** or more

Provides infusion appointment at the time of Apheresis appointment with **100%** accuracy

Enhances process efficiency with auto-notifications circulated to externalparties for transportation, highlighting the requirement for timely delivery

Ensures up to **30%** shorter cycle time to complete vein-to-veinprocess with improved visibility into processstages in real-time

Comes with an intuitive dashboard providing color coding for deployment stages, allowing users to track and trace the process at a glance

CAR-T Process Tracker

4

| in Treatment | @ Apheresis | to Plant | @ Plant | to Infusion | @ Infusion | Completed | Cancelled |

Patient Id	Treatment Id	Name	Apheresis Ctr.	Current Status	Registration Date	Stage
6EPP-788A-	68DPP-85YD	Richardson, David	0001000086	Drug Received by Infusion Cent	09/07/2020	
7ED-887A-Y	7ED-AMYD01	Henrich, Mark	0001000086	Process Order Created	09/06/2020	
EF-8810YZ	ZZ-ZMYY919	Block, Joe	0001000086	Process Order Created	08/28/2020	
4EPP-777A-	48DPP-7MYD	Sydiangco, Pamela	0001000086	Process Order Created	08/28/2020	

Why LTIMindtree

- With a long-term relationship with SAP spanning over 20 years, LTIMindtree is uniquely positioned as a partner, co-innovator, and customer of SAP.

- Our deep expertise in the Life Sciences domain and our solutions across digital, automation, and smart manufacturing can help drug makers effectively address industry challenges.

- LTIMindtree strives to optimize clients' businesses by improving their business process application portfolio rationalization.

Visit our website today to learn more about our expertise in the life sciences domain, our solutions across digital, automation, and smart manufacturing, and how we can help you optimize your business processes:

https://www.ltimindtree.com/enterprise-solutions/sap/life-science/

Limitless
Life Sciences

#limitlesslifesciences

About LTIMindtree