

Combatting Counterfeit Pharmaceuticals

RFID proves highly effective at reading a pharma company's palletted products at the carton level.

One of the biggest challenges faced by the pharmaceutical industry in meeting the Drug Supply Chain Security Act (DSCSA) serialization and case-to-pallet requirements is reading cartons and item-level information located deep inside aggregated shipments. Zebra's RFID capture solutions at the packing and dock door solve this issue. **A leading pharma manufacturer tested the solution and realized outstanding results.**

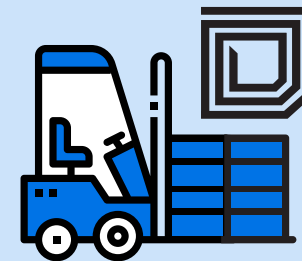
Over 1,000 RFID Tags Can Be Read at Workflow Points in Less than 1 Second

PALLET #	PRODUCT	UNITS	CARTONS	ACCURACY
1	Tablets Packaged in Plastic Bottles (6 bottles/carton)	264	44	100%
2	Tablets Packaged in Foil-Wrapped Blister Cards (6 cards, 12 cards/carton)	660	55	100%
3	Injectables Liquid-Filled Vials Inner package contains 25 vials (1 mL/vial, 40 packs/carton)	1,280	32	100%
4	Injectables Prefilled Syringes (1 mL/vial, 25 packs/carton)	8,250	330	100%

Testing Details

RFID INLAYS

ZBR4000 passive RFID inlay labels were applied to all 461 cartons across 4 pallets.



INTEGRATED RFID PORTALS

The pallets were moved through the dock door portal using a powered forklift at normal speed.

To learn more about Zebra's solutions can help you meet the DSCSA mandates, visit us at connect.zebra.com/pharma-us-en

Results based on testing conducted by Zebra at a major pharmaceutical company (July 2021). The accuracy level of testing oral liquids was 75%. This was expected due to the high liquid content and package density. This product type is expected to achieve 99% accuracy using a smart RFID tunnel. ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corp., registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners. ©2023 Zebra Technologies Corp. and/or its affiliates. All rights reserved.