

Know Your GS1 Barcodes and What Is in Them!

Key to Patient Safety and Supply Chain Efficiency



What's in a Barcode?	GS1 DataMatrix	Examples of GS1-128 Barcodes for U.S. FDA UDI*	
<p>GTIN® With Expiration Date, Batch/Lot and Serial Number Encoded in a GS1-128 Barcode*</p> <p>(01) 0 0614141 00734 9 (17) 141231 (10) A12345B (21) 1234</p> <p>GTIN - Global Trade Item Number Expiration Date Batch/Lot Number Serial Number</p> <p>(01) 0 0614141 00734 9 (17) 141231 (10) A12345B (21) 1234</p>	<p>Example of GS1 DataMatrix for DSCSA* or U.S. FDA UDI**</p> <p>GTIN 00314141999995 SN 1000000234 EXP 25 JAN 2015 LOT 987654321GFEDCBA</p>	<p>GTIN With Expiration Date, Batch/Lot and Serial Number Encoded in a GS1-128 Barcode</p> <p>(01) 0 0614141 00734 9 (17) 141231 (10) A12345B (21) 1234</p> <p>GTIN With Batch/Lot Number Encoded in a GS1-128 Barcode</p> <p>(01) 0 0614141 99999 6 (10) 987654321GFEDCBA</p> <p>↓ ↓ GTIN Batch/Lot</p>	<p>GTIN With Expiration Date and Batch/Lot Number Encoded in a GS1-128**</p> <p>(17)141120(10)1234AB</p> <p>(01)10857674002017</p>
<p>Human Readable Interpretation Application Identifier (01) Global Trade Item Number* (10) Batch/Lot Number (17) Expiration Date YYMMDD (21) Serial Number (11) Production Date YYMMDD</p> <p>*Same data can be encoded in either GS1-128 or GS1 DataMatrix. Store data in separate fields in database to allow Data Query.</p>	<p>GS1 recommends GS1 DataMatrix for healthcare use.</p> <p>*For information about the act, see the 2013 Drug Supply Chain Security Act. **For information about the rule, see the U.S. FDA Unique Device Identification System.</p>	<p>Individual manufacturers select the data encoded based on their control procedures.</p> <p>*For information about the rule, see the U.S. FDA Unique Device Identification System. **GTIN can be encoded on the top GS1-128 or the lower GS1-128.</p>	

GS1 Barcode Tips

1. Parentheses are not encoded
2. Spaces are not encoded
3. Minimum Grade C except ITF-14 (D)

GS1 US Implementation Resources

GS1 Standards Resources for U.S. FDA Unique Device Identification (UDI) Implementation Support
www.gs1us.org/UDResources

GS1 Standards Resources for Supporting the Implementation of Drug Supply Chain Security Act (DSCSA)
www.gs1us.org/DSCSA

GS1 Data Carriers					Notes & Tools
<p>Electronic Product Code (EPC®)-Enabled in Radio Frequency Identification (RFID) Tag</p> <p>Carries a serialized GTIN (sGTIN)</p>	<p>EAN®/U.P.C.**</p> <p>North American Retail</p>	<p>ITF - 14</p> <p>Shipping Containers (Especially Corrugated)</p>	<p>GS1 DataBar® Stacked</p> <p>(01) 0 0614141 98765 8</p>	<p>GS1 DataBar Limited With Composite Component</p> <p>(01) 1 0614141 00734 6</p>	<p>Disclaimer This document is intended to demonstrate the use of GS1 Standards for Unique Device Identification. It does not provide any guidance or advice regarding regulatory compliance. Please consult your internal regulatory staff for compliance questions.</p> <p>GS1 US® is the local GS1 Member Organization that supports implementation of the GS1 System in the United States. GS1 US employees are not representatives or agents of the U.S. FDA, and the content herein has not been reviewed, approved, or authorized by the U.S. FDA.</p> <p>GS1 is a U.S. FDA-Accredited Issuing Agency for UDI, and GS1 Standards are authorized for use in implementing the requirements of the U.S. FDA UDI Rule.</p> <p>Data carriers not to scale.</p> <p>Contact GS1 Healthcare US® — www.gs1us.org/Healthcare</p>

*The appearance of the EPCglobal® Seal is to inform that an EPC-Enabled RFID tag is present on or within the packaging of the product(s).
**In this publication, the letters "U.P.C." are used solely as an abbreviation for the "Universal Product Code," which is a product identification system. They do not refer to the UPC, which is a federally registered certification mark of the International Association of Plumbing and Mechanical Officials (IAPMO) to certify compliance with a Uniform Plumbing Code as authorized by IAPMO.