

Barcode Scanning System Test

Scan for Success

Medtronic

Medtronic uses the GS1 standards for product identification and follows the GS1 Healthcare GTIN Allocation Rules®. We use the GS1-128 barcode format on product packaging to meet global unique device identifier (UDI) requirements, support healthcare operational needs, and manage the distribution controls at Medtronic. This barcode includes a data field for Medtronic distribution controls.

By testing this barcode format, you ensure your barcode scanning systems properly read and capture the data.

Fewer GTIN changes begins with updated barcode

We are adding an AI (20) internal product variant data field to many Medtronic products to significantly reduce the number of times a Global Trade Item Number (GTIN) is changed. Customers have asked us to make fewer GTIN changes and use of the AI (20) supports our internal distribution controls without a GTIN change.

Barcode Sample



- Medtronic barcodes have historically included three GS1 data fields: GTIN, use by date and lot/serial number.
- We are expanding use of the (20) internal product variant data field on our barcodes.
- Test to confirm the (10) lot or (21) serial number is not appended with the AI (20) internal product variant data field.

GS1 Application Identifiers	(01) Global Trade Item Number
	(17) Use by Date (YYMMDD) OR (11) Manufacture Date (YYMMDD)
	(10) Lot OR (21) Serial Number
	(20) Variant [For Medtronic distribution controls when present]

Barcode Format Test

- Perform a scan on all the systems that normally scan the outside product label barcode such as supply chain inventory management and electronic medical record (EMR) systems.
- Follow the **Test Process** on next page to verify all the product data continues to be properly read and captured in your scanning system(s).
- If you have additional questions contact us at rs.productversioning@medtronic.com.

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Testing Process

- Scan both GS1-128 barcodes below.
 - If you receive a product not identified error, ensure the product GTIN exists in your system and repeat the scan. Check the print quality of your document if you have a scan failure.
- When your barcode scanning system successfully recognizes the product
 - Does this barcode scanning system capture the Use by Date (UBD) in YYMMDD format?
 - Does this barcode scanning system capture product Lot/Serial (batch) numbers?
 - If so, did the software system correctly capture the Lot/Serial number? Or was the Lot/Serial data captured with the variant appended: **Lot/Serial Digits + 2002 such as XTESTLOTXX2002?**
 - If you noticed the lot/serial number data is appended with the internal product variant data (2002), this is likely an indicator your scanning system is **not reading the Function 1 (FNC1) character separator**. This error in configuration is easy to resolve with your IT team or system vendor.

Surgineedle (172015) with Lot Number

GTIN (01)	UBD (17)	Lot (10)	Variant (20)
10884521080805	321231	XTESTLOTXX	02



Possible causes of AI (20) data appended to Lot/Serial data

- Barcode scanning gun configuration improperly transmits the FNC1 character separator
- Software application doesn't recognize AI (20) field

Test Results	Answer
Did the software system successfully scan and store the GTIN of 10884521080805 ?	Yes/No
Did the software system successfully scan and store the UBD?	Yes/No
If the scanning system captures the Lot number, is it recorded correctly as XTESTLOTXX ?	Yes/No

If you experience barcode scanning errors or have additional questions, contact us:

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CapSureFix Novus MRI SureScan Lead (5076-52) with **Serial Number**

GTIN (01)	UBD (17)	Serial (21)	Variant (20)
00643169633759	291231	XTESTV2X99	02



(01) 00643169633759 (17) 291231 (21) XTESTV2X99 (20) 02

Possible causes of AI (20) data appended to Lot/Serial data

- Barcode scanning gun configuration improperly transmits the FNC1 character separator
- Software application doesn't recognize AI (20) field

Test Results	Answer
Did the software system successfully scan and store the GTIN of 00643169633759 ?	Yes/No
Did the software system successfully scan and store the UBD?	Yes/No
If the scanning system captures the serial number, is it recorded correctly as XTESTV2X99 ?	Yes/No

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