



System recommendations for Pharmacies

Camera-based scanners and standards capability

The use of '2D' barcodes has been increasing organically within healthcare for many years, with a significant focus on traceability and batch management driving this change. With the introduction of new regulations by the Therapeutic Goods Administration (TGA), an increased focus on product authentication, inventory management and supply chain

2D barcodes is needed to support the requirement for more data on pack. Being sure that all systems can handle these barcodes is a must for the future. This means there is a need to look at scanning equipment and systems to ensure they can manage the barcodes and the data they hold.

What's in the barcode?



(01) 0 9312345 531370
 (17) 201231
 (10) ABCDEF123456
 (21) 10022337269ABCDEF

(01)09312345531370

(01) The Global Trade Item Number (GTIN) formerly the EAN. A 14-digit system capability is a must to be able to process this correctly

(17)201231

(17) The Expiry Date in a 6 digit machine readable format of YYMMDD. It can be presented within a system or for staff in a more human friendly field

(10)ABCDEF123456

(10) The Batch/Lot Number of up to 20 Alpha Numeric characters

(21)10022337269ABCDEF

(21) The Serial Number of up to 20 Alpha Numeric characters

The barcode is a GS1 DataMatrix. Its format and the data within it are all based on standards used globally

What do your technology solutions need?

All systems need to be able to interpret the data from these barcodes. You can check your systems, report issues and source advice by [visiting here](#)

Need Advice?

E healthcareteam@gs1au.org **T** 1300 227 263

Do you have camera-based scanners?

Though a camera or Charged Coupled Device (CCD) based scanner can still read a traditional linear barcode, unfortunately they will not read 2D barcodes. With any upgrades to scanners, a change to camera-based scanners is recommended. Visit our [Solution Provider Directory](#) for potential suppliers.