15.02. Adding barcodes to items

Added: Version 4.01

Assigning barcodes to items is an important setup activity. It is this step that enables mSupply to recognise which item a particular barcode belongs to. **Note:** this is strictly assigning the **GTIN** to an item, not the rest of the barcode which includes things like batch, expiry, serial number etc.

You can add barcodes to items before or during the goods receipt process. The process described here is used for both - to see how the goods receipt process fits in, see Barcode scanning and receiving goods.

To start the process, view the details page of the item you want to add barcodes to (go to *Item* > *Show items...*, click on the *OK* button, double-click on the item you want in the list). Then click on the Barcodes tab on the left hand side of the details window:

🌆 Item details				- 0 💌			
General Misc	🖬 Item name	test item 01		Store: General V			
Usage	🖬 Item code	test01	Pricing				
Stock	General		Defe	ault margin 0			
Ledger	D Units	None 🗸	Default sell price of preferred	d packsize 0.00			
Quotes Backorders	Department	None	Price editable wh	en issuing			
Notes			Full description				
Reconcile	Category						
Bill of materials	Category 2	None 🗸					
Purchase Orders Order options	Category 3	None \checkmark					
Dispensing	Interaction group	None 🗸					
Reporting	Item flag		VEN Category	Stock category			
Log	item nag		Not assigned	Normal stock			
Requisitions Stores	Universal code	٩,	⊖ Vital	Critical stock			
Barcodes		Hold: do not issue 🗌	 Essential 	On essential drug list			
		Issue in builds only	Necessary	Custom fields			
		low pack to one conversion 🗹		user_field_1 user_field_2			
	Conve	rt pack to 1 when receiving 🗹					
	Shelf locations			user_field_3			
	Shelf location	Vone Outer par	ck size 0	user_field_5 0.00			
	Bulk shelf location			user_field_6			
		1 Weight pe		user_field_4			
	Preferred pack size		i pack i kg	user_field_7			
	Volume per pack	0 m3		user_neu_/			
	Restricted to :	None ~					
Delete			OK & Previous	OK & Next Cancel OK			
				i.			

This will show you a list of the current barcodes assigned to the item:

sage solock edger uotes ackorders otes econcile ill of materials urchase Orders rder options ispensing eporting op	Add Number	m code festi03 Delete Manufacturer	Pack size	Barcode	Parent
edger Jotes sckorders scconcile Il of materials irichase Orders rider options spensing eporting	Add	Delete	Pack size	Barcode	Parent
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This item currently has no barcodes assigned to it but this is the information each column displays:

- Number: a sequential number for each barcode, starting at 1
- **Manufacturer**: the name of the manufacturer of the medicine
- **Pack size**: the number of individual items (tablets, bottles etc.) in the pack this barcode represents
- **Barcode**: the human readable form of the barcode, just the type identifier (01) and the 14 digit GTIN (it could be a 13 or 8 digit (or any valid length!) GTIN but it must be padded with leading zeros to 14 digits in total this is part of the GS1 standard). A barcode that starts 0104 identifies an internal mSupply barcode (assigned because the manufacturer didn't put one on the item's packaging). A barcode that starts with 01 followed by anything else is a global barcode not assigned by mSupply.
- **Parent**: the number (shown in the Number column) of the barcode that is the parent (i.e. has the next largest pack size) of this barcode

Deleting a barcode

To delete a barcode, click on it in the table to select it and click on the *Delete* button. You will be asked to confirm the deletion. But please note, you will not be able to delete any barcode that has been assigned to a line of stock.

Editing a barcode

To edit a barcode, simply double-click it in the table. This will open the 'add a barcode' window shown in the *Adding a barcode* section below but the window will be populated with the barcode's details. Simply edit the details as described in the *Adding a barcode* section. Please note that, if a barcode has already been assigned to stock, you will not be able to edit the pack size or the barcode itself.

Adding a barcode

To add a barcode to the item, click on the Add button. This window appears:

🖢 New Barco	de			-		×	
ltern	Test item 03	testi03					
Barcode							
Pack size	1						
Manufacturer							
Barcode for n	ext outer-level packaging		_				
	Manufacturer	Pack size	Barcode		Select		
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		Cancel	OK & Next		ок		

Item: this is the name of the item you're adding a barcode to, followed by its code. It is non-editable

Barcode: the human-readable form of the barcode; the 2 or 3 digit type identifier followed by the 14 digit GTIN only (it could be a 13 or 8 digit (or any length!) GTIN but it must be padded with leading zeros to 14 digits in total). You can't type anything in here, you have two options:

• Scan the item's barcode with a barcode scanner - the barcode's identifier and GTIN will appear in the textbox. If the barcode is not GS1 compliant you will see a warning message and you will not be able to save the barcode (just in case you've scanned the wrong thing. Why would

anyone go wild with a scanner and start scanning anything they can find?

• Click on the 🔄 icon next to the **Barcode** field to have mSupply supply its own unique, internal



GS1 compliant barcode. Each time you click on the icon, mSupply will supply a new barcode.

Pack size: the pack size (number of individual items in one pack) that this barcode belongs to.

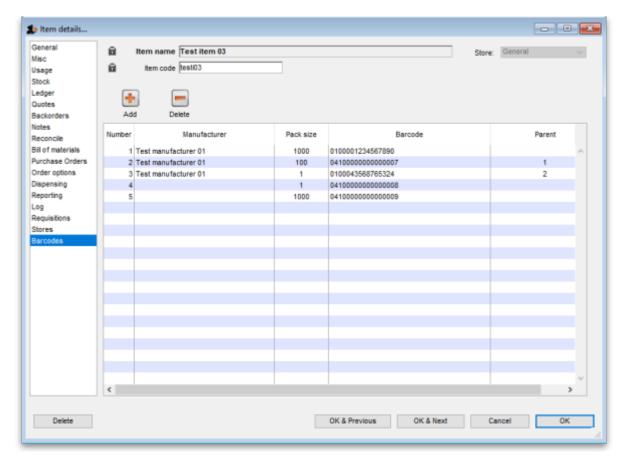
Manufacturer: the manufacturer that this barcode belongs to. Type the first few characters of the manufacturer's name and press the Tab key to select it from a list of matching names. If the manufacturer you want doesn't exist in mSupply, click on the subtron next to the manufacturer field to add it.

Barcode for next outer-level packaging table: this is where you select the barcode that is the 'parent' of this one i.e. the one with the next biggest pack size. Selecting one is optional but it allows mSupply to identify barcodes that should go on tertiary level packaging (they can have different printing requirements). The table will show all the other barcodes entered for this item. To select the parent, simply click on the checkbox in the *Select* column to check it.



GS1 barcodes are unique to the combination of item, pack size and manufacturer. So you won't be able to add 2 barcodes to the same item with the same pack size and manufacturer.

Here is an example of an item with several barcodes added:



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Permanent link: https://docs.msupply.org.nz/barcode_scanning:adding_barcodes_to_items?rev=1675183602

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