

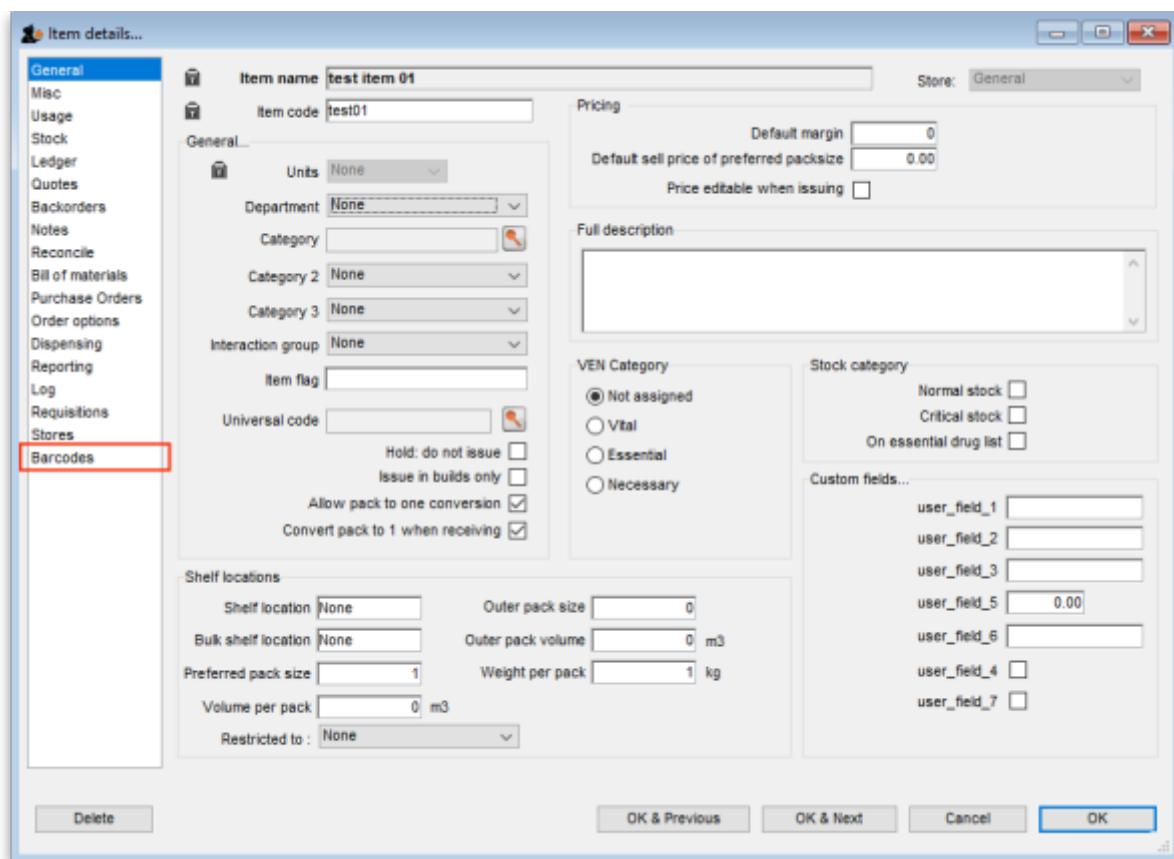
# Adding barcodes to items

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.

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:



The screenshot shows the 'Item details...' window with the 'Barcodes' tab selected in the left sidebar. The main area contains the following sections:

- General:** Item name (test item 01), Item code (test01), Store (General), Units (None), Department (None), Category, Category 2 (None), Category 3 (None), Interaction group (None), Item flag, Universal code.
- Pricing:** Default margin (0), Default sell price of preferred packsize (0.00), Price editable when issuing (checkbox).
- Full description:** A text area for the item's full description.
- VEN Category:** Radio buttons for Not assigned (selected), Vital, Essential, and Necessary.
- Stock category:** Checkboxes for Normal stock, Critical stock, and On essential drug list.
- Custom fields:** user\_field\_1 through user\_field\_7.
- Shelf locations:** Shelf location (None), Bulk shelf location (None), Preferred pack size (1), Volume per pack (0 m3), Outer pack size (0), Outer pack volume (0 m3), Weight per pack (1 kg), Restricted to (None).

Buttons at the bottom include Delete, OK & Previous, OK & Next, Cancel, and OK.

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



The screenshot shows a 'New Barcode...' dialog box. It contains the following elements:

- Item:** A text box containing 'Test item 03' and a label 'testi03' to its right.
- Barcode:** An empty text box with a scanner icon to its right.
- Pack size:** A text box containing the number '1'.
- Manufacturer:** An empty text box with a plus sign icon to its right.
- Barcode for next outer-level packaging:** A table with the following structure:
 

Manufacturer	Pack size	Barcode	Select
- Buttons:** 'Cancel', 'OK & Next', and 'OK' (highlighted with a blue border) at the bottom.

**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. 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 button 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.

*Previous: [Barcode scanning introduction and setup](#) Next: [Barcode scanning and receiving goods](#)*

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