

BAR CODING

SIMPURT CAN CUSTOMIZE YOUR BAR CODING NEEDS



A barcode is a piece of automatic identification technology that stores information. Barcodes are "machine-readable codes" which can be used to reduce errors, process many samples, track products etc... Simport offers customised bar-coded products such as Cryogenic Vials, Microcentrifuge Tubes, Sample Tubes or any other tubes with a white background on which the barcode can be printed.

Why use bar codes?

Bar codes play an essential role in tracking samples. They provide a tool for reviewing the large quantities of data. A bar code provides the safest way to keep track of your sample. The code is extremely durable and will help reduce human errors. Bar-coded products are suitable for automation or manual operations. Some bar-coded products provide a trouble-free human readable code, which can be read and manually entered when a scanner is not available.

Other advantages of using barcodes are:

- Reduce human errors
- Reduce handling costs
- Improve efficiency: manual and automatic
- Demotivating job functions are reduced
- Improve quality controls
- All barcodes have "visual-readable-numbers".

Bar codes are placed on tubes in the following way: First, a white background is pad-printed directly on the tube, then the Ink Jet technique is used to print the black codes on the white background. These codes can withstand the same temperature fluctuations that a Cryovial would in liquid nitrogen and the following defrosting.

Barcoded tubes are packaged in bags of 100. A label is placed on each bag indicating sequential numbering (ex. 100000 to 100099).

Available Codes

We offer two different code types:



Code 128C

This is an alphanumeric code, meaning that it contains both numbers and characters/letters. Code 128C characters comprise three bars and three spaces. Code 128C is our recommended barcode of choice because of the compressed design, widely supported, flexibility and data security.

Interleaved 2 of 5

This code is numerical (no letters) and self-checking to improve the data security. Each Interleaved 2 of 5 character encodes two digits (one in the bars and one in the spaces) and therefore the code has a higher density. Interleave 2 of 5 always requires an equal number of characters (including check digit) to be printed. Due to the design of Interleaved 2 of 5 there is a risk of truncation of the sequence when scanned, which is why Simport recommends a check digit and that a fixed number of digits mode is chosen in the reading software if possible.

Alphanumeric printing is also available on many of our products. Contact Simport for further details.

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