



**MEDICAL INSTRUMENTS,
PRODUCTION + TRADING**

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**DIESELSTRASSE 1
GMBH-84088 NEUFACHEN NB**

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Malfunction Poor barcode reading

Error description

Instrument does not read or miss patient barcode during rack loading.

Reasons

1. BCL-8 scanner is defect or de-adjusted.
2. Position-barcode on patient racks are defect.
3. Patient racks are moved to fast.
4. Primary tubes are turning during movement.
5. Labels on patients
 - False position of label (see second page)
 - Unsafe coding. (Code128 with checksum works best)
 - Exotic barcode type like Code39 (Code128 works best)
 - Barcode printed on labels with high reflexion (matt works best)

Corrective actions

The reading performance depends strongly on the quality of patient labels. Slow move of the patient racks may help. Instead of rack movement, you could set the cursor manually (press key UP/DOWN/LEFT/RIGHT) to mark the sample position and scan the patient manually and afterwards place into correct position. In general, the replacement or fine-adjustment of barcode scanner is very difficult in the field. Instead we recommend use TECAM PROLIS software and input here PID by an external USB handheld scanner.

Low cost scanners from Newland will work. No setup on TECAM side is required. Simply set the mouse-cursor to correct rack position (e.g. POS-1) and scan the PID.

<https://www.newland-id.com/en/products/handheld-scanners>
(HR23 or HR33, cable or bluetooth)

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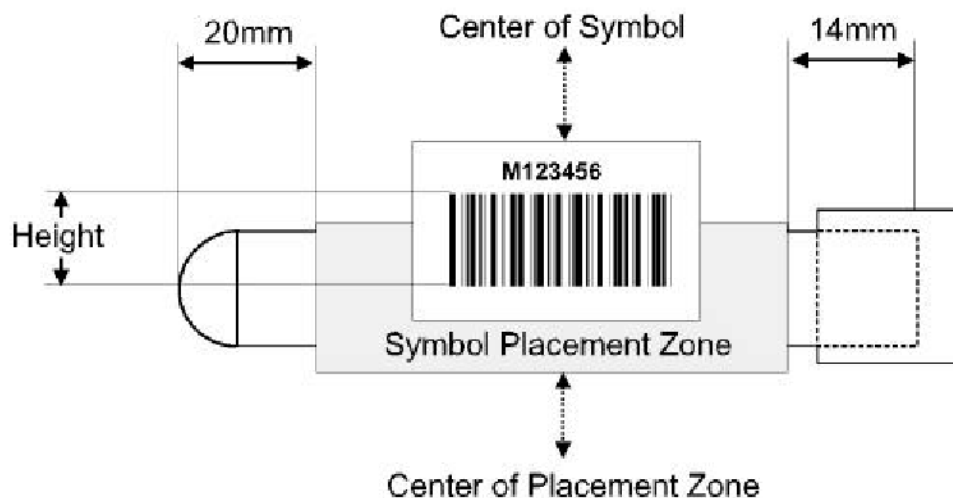
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Barcode guideline for Coatron instruments



Specification of label:

- Label length: 50 – 70 mm
- Label height: 20 - 30 mm
- Barcode length: 40 – 60 mm
- Barcode height: 10 - 20 mm
- Quiet zone: >5mm
- Resolution/module: 8 -20mils (0.2 – 0.5mm)
- Ratio: min. 1:2,5 to 1:3 (two dimensional codes)
- Quality Level A or B according to ANSI X3.192 -1990

Accepted codes:

- Code 128 3 – 16 characters, use checksum without show
- EAN 128 3 – 13 characters, use checksum without show
- Code 39 4 – 13 characters, no checksum
- Code 93 4 – 13 characters, no checksum
- 2/5 interleaved 8 - 12 characters, no checksum

Recommended code:

- Code 128 3 – 16 characters, use checksum without show