

**CODE** PQS E006/011**Irreversible freeze indicator
Q-tag CLs**

Manufactured in Malaysia

COMPANY NAME AND ADDRESS**Berlinger & Co AG**Mitteldorfstrasse 2
CH-9608 Ganterschwil
Switzerland

Telephone: 41 (71) 982 88 11

Fax: 41 (71) 982 88 39

Website: www.berlinger.comE-Mail: info@berlinger.com**SPECIFICATIONS**

- Temperature threshold: -0.5 °C
- Accuracy: $\pm 0.4^{\circ}\text{C}$ typ. (- 5°C to + 30°C) $\pm 0.6^{\circ}\text{C}$ typ. (outside)
- External dimensions: 55 x 85x 7 mm
- External material: ABS
- Life time: up to 5 years from the date of manufacture
- Battery: non-replaceable lithium metal battery
- Weight: 0.030 kg
- Number per box: 100 pcs

COMMENTS*Test report: Metas, Swiss national reference laboratory, (October 2009)**Meets Performance features requested by WHO – WHO/PQS/E06/IN03.1**SGS - ISO 9001:2000 Certification since May 1999, last audit 18 May 2008*

Function: A single use irreversible temperature indicator that shows if a product, such as vaccine has been exposed to freezing temperatures with the exact related time and date of the limit violation. If the indicator is exposed to a temperature below -0.5°C ($\pm 0.4^{\circ}\text{C}$) for more than 60 minutes the display will change from the "good" status (✓) to the "alarm" status (X). Furthermore, the device shows the date and time of the alarm event, the extreme temperature, the duration of the occurrence and the number of alarms on the clear display. The incorporated quartz is responsible for the exact time measurement.

Main purpose of the device: The indicator is used to warn of freezing and is packed with DPT and its combinations, TT, Hepatitis B and other freeze sensitive vaccines. Shelf life is up to 5 years.

2010 PRICES (Ex Works)

500 pieces	US \$ 10.90 / piece
1'000 pieces	US \$ 8.70 / piece
5'000 pieces	US \$ 8.00 / piece
10'000 pieces	US \$ 7.25 / piece
Higher quantity	on request

Shipping volume	0.003 m ³ (320 x 275 x 32 mm / box)
Shipping weight 500 pcs	2,8 kg (5 boxes)
Minimum order:	500 pcs (5 boxes)

Prequalified on 21 May 2010