



CODE E006/002

**Electronic temperature monitor  
Model Q-tag 2 plus****COMPANY NAME AND ADDRESS**

Berlinger & Co AG  
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Switzerland

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Internet : [www.berlinger.com](http://www.berlinger.com)

**SPECIFICATIONS****TYPE 2: for vaccines:**

OPV, freeze-dried BCG, measles,  
MR, MMR, Hib, yellow fever  
and, Meningitis vaccine

<b>Alarm settings</b>	>= +45°C	1 hour single
	>= +30°C	10 hours cumulative
	>= +10°C	20 hours cumulative

**TYPE Rotateq:**

Only for Rotateq

<b>Alarm settings</b>	>= +27°C	1 minute single
	>= +17°C	2 hours cumulative
	<= -25°C	1 minute single

<b>Initial start delay</b>	1 hour
<b>Accuracy of temperature threshold</b>	+/- 0.5°C
<b>External dimensions</b>	57 x 58 x 11 mm (without card)
<b>Number per package</b>	50

**TYPE 1: for vaccines:**

DTP, DT, TT, Td, Hep B, IPV,  
liquid Hib and combination  
vaccines

	>= +45°C	1 hour single
	>= +30°C	10 hours cumulative
	<= -0.5°C	1 hour single

**Type Prevenar:**

Only for Prevenar

7-valent conjugated vaccines

	>= +40°C	1 hour single
	>= +30°C	10 hours cum.
	<= -0.5°C	1 hour single

**External Material:** ABS

**Weight:** 28gr.

**COMMENTS**

Test report: Metas, Swiss national reference laboratory, (November 2006 / August 2008 / November 2010)

Meets Performance features requested by WHO – WHO/PQS/E06/TR07.1; SGS-ISO 9001:2008 Certification since May 1999,  
last audit 5 May 2011

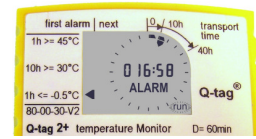
**Function:** Q-tag 2 plus is an irreversible electronic temperature indicator that shows if a product, such as vaccine, has been exposed to temperatures beyond assigned alarm settings described above. It consists of an electronic temperature measuring circuit with associated LCD-display. As long as the temperature is within the allowed range, the OK-sign is shown on the display. If the indicator is exposed to an out-of-range temperature the ALARM-sign appears on the display. Some examples of information that can be displayed:

1. Actual elapsed transport time with ALARM-sign and violated alarm condition
2. Actual elapsed transport time since start with OK-sign.
3. Extreme temperatures can be read out by every time segment.
4. Exact time since START until the alarm occurrence.

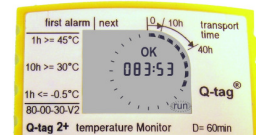
The Q-tag 2 plus device is attached onto a card which provides instructions for senders and receivers. For more information please contact the supplier mentioned above.

**Use:** This electronic temperature indicator is used to monitor all kind of shipments of vaccines and other perishable goods.

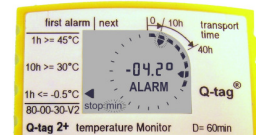
The following languages are available (except Type Prevenar and Rotateq): English (Standard), French, Spanish Arabic, Russian, Mandarin Chinese



1



2



3



4

## 2010 PRICES (Ex Works)

### Type 1 and Type 2

50 to 99 pieces	EURO 15.00 / piece
100 to 999 pieces	EURO 12.00 / piece
1000 to 2500 pieces	EURO 10.00 / piece
Upon 2500 pieces	on request

### Type Prevenar and Rotateq

on request

Prequalified on 30 September 2007 (revision January 2011)