Berlinger Monitoring Solutions
For COVID-19 vaccines

Berlinger & Co. AG
Mitteldorfstrasse 2
9608 Ganterschwil
Switzerland

Tel. +41 71 982 88 11
info@berlinger.com
www.berlinger.com
Plan your cold chain equipment now.

Berlinger is proud to be the partner of one of the key suppliers in Europe to enable end-to-end temperature monitoring of COVID-19 vaccines. Furthermore, we are a supplier to the most well-established national & international health organizations and leading vaccine manufacturers and have decades of experience in safeguarding the integrity of our customers’ vaccine by means of reliable temperature monitoring.

We are ready to support you in the crucial tasks of distributing COVID-19 vaccines. The following Berlinger devices are valuable solutions:

The Berlinger solution at a glance.

**Data management with Berlinger SmartView**

Thousands of temperature-sensitive shipments are sent around the world every day. Thanks to Berlinger SmartView, the collected temperature data from the data loggers can be analyzed easily and in depth for significant workflow improvements and conclusive reporting.

**Shipment Monitoring**

Our Q-tag devices log temperature measurements from -96°C to +60°C during transportation and provide detailed end-to-end monitoring reports to enable reliable quality release on arrival.

Quality is our highest priority, not only in facilitating quality assurance for our customers but also in delivering a 99.978% device success rate.

**Site Monitoring**

Berlinger is a leading partner globally for site monitoring of vaccines with its well-known Fridge tag series.

Get in touch with us for further information.
The reliable companion for your valuable products.

Plan your cold chain equipment now to keep delivery times short. The following Berlinger devices are all valuable products – especially when it comes to monitoring COVID-19 vaccines:

**Q-tag CLm doc D**
The cool one
The Q-tag CLm doc D is clearly the coolest. The dry ice multi-alarm shipping temperature logger has a storage capacity of 38,000 measurements and is intended for single use.

**Q-tag CLm doc Ice**
The frosty one
The Q-tag CLm doc Ice is the new member in the Q-tag CLm doc device family! Ideal for shipments from –40°C to +60°C.

**Q-tag CLm doc L**
The durable one
With an operating time of up to 365 days the Q-tag CLm doc L is particularly durable. The device is intended to be a single-use data logger. (* with a log interval of 15 minutes)

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**TEMPERATURE RANGES AND GUIDELINES**

<table>
<thead>
<tr>
<th>Temperature Range</th>
<th>PH.EUR Guideline*</th>
<th>WHO Guideline*</th>
<th>USP Guideline*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frozen/Deep frozen</td>
<td>-15°C</td>
<td>&gt; -20°C</td>
<td>&gt; -8°C</td>
</tr>
<tr>
<td>Refrigerator</td>
<td>2°C to 8°C</td>
<td>Cold and cool: 8°C to 15°C</td>
<td>Cold: 8°C to 15°C</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>15°C to 25°C</td>
<td>Room temperature: 15°C to 25°C</td>
<td>Room temperature: temperature prevailing in a work area</td>
</tr>
</tbody>
</table>

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**Site Monitoring**
The Berlinger Fridge-tag series covers the complete range from -96°C to +55°C for reliable and easy monitoring of your valuable goods stored in freezers, fridges and small cold rooms. To prevent the disposal of scarce and high-value products, monitor your goods with the well-known Fridge-tag series, designed for vaccine monitoring.

**Fridge-tag Ultra Low**
Monitoring of vaccines stored at ultra-low temperatures
The Fridge-tag Ultra Low automatically triggers an alarm, when a critical temperature limit outside of the predefined criteria has been reached. The built-in USB connection enables the secure generation of a PDF/A report with all relevant temperature data, presented in a clear and easily understandable way.

**Fridge-tag 2**
Continuous monitoring of vaccines stored in refrigerators
The Fridge-tag 2 is the intelligent temperature monitor for the continuous monitoring of sensitive vaccines and pharmaceuticals stored in medical refrigerators & freezers. The large OK / ALARM indicator on the display enables immediate decision-making.
We are your reliable and fair partner, who stands for long-term commitment and quality of products and service.

Quality is our highest priority, because we are committed to enabling the safe delivery of vaccines around the world. The final quality control of all our products at our headquarters in Switzerland underlines this strong sense of responsibility. We provide our products to leading pharmaceutical companies and health organizations in over 170 countries. The quality and integrity of our products has allowed us to achieve PQS listing for our most popular devices by the WHO.

Since its inauguration 1865, Berlinger is a family business, still owned by the founder family that gave the company its name. Andrea Berlinger-Schwyter, a member of the sixth generation, is president of the board of directors and owner. Berlinger is financially healthy and fully independent from investors, private equity or corporate policies. We are fully committed to long term customer success, as we think in terms of generations.

Since 30 years, we provide our integrated monitoring solutions exclusively to pharmaceutical and healthcare customers. Our highly innovative software products are developed at our own R&D software competence centre in the Netherlands. The latest software product, a unique, fully integrated solution to manage temperature excursions during clinical trials, is regarded as a key innovation in further digitalizing clinical trial supply chains.

Our most important asset are our highly-skilled and knowledgeable employees. We continually invest in the education of our employees and attract international talents to drive our business forward. Our deeply rooted culture and value of supporting businesses, patients and athletes to “feel safe” acts a strong tie within our organization and beyond.

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