

*Freedom?*

...there's a product for that





*The future*





## *started here...*

The greatest inventions are often born out of simple necessity. Who would have an idea as absurd as making a fridge just to carry medication?

It all started in France in 2016 when Dr Olaf Diegel, an insulin-dependent diabetic, went on a holiday. Insulin, like many other medications, needs to be kept at a constant temperature in the fridge.

When checking-in at his quaint little auberge in Provence, Dr Diegel handed his insulin to the man behind the counter and asked him to put his insulin in the refrigerator. A couple of hours later, when he went downstairs to get his insulin fix, he discovered that someone had put the insulin in the freezer, rendering

it useless. Dr Diegel immediately went to a local pharmacy and bought some new insulin, so the crisis was averted momentarily.

It is only a couple of days later, while discussing with his brother in Paris, that the two brothers had the idea of manufacturing a fridge for his insulin pens.

### **Life-changing technology was born...**

Today, LifeinaBox is the world's smallest fridge. It keeps medication at a perfectly constant temperature with a variation of +/- 0,2°C over 24 hours. It will change the lives of millions of people worldwide and will give them the freedom to travel anywhere, any place, with complete peace of mind.



# LifeinaBox

*For the optimum storage  
of fragile medication*



## **THE FREEDOM TO TRAVEL**

Designed for the safe storage of fragile medication at an optimum temperature (2 - 8°C). Keeps your medication cool and at a constant temperature at work, at home or in your car.

## **CONSTANT TEMPERATURE**

Refrigerates up to 8 standard injectable medicine pens or vials\*. Includes both a universal 110-240V power cord and a 12V DC power adapter for your car.

## **BETTER CONTROL**

The Lifeina app will monitor the temperature of your medication in real time and will send you automatic reminders when it is time for you to take your medication.

## **BUILT-IN BATTERY**

A 6-hour battery is included inside LifeinaBox, and separate plug-in battery packs are available.

## **RECOMMENDED USES**

Insulin, growth hormones, adrenalin, monoclonal antibodies, vaccines, interferons\*



**[www.lifeina.com](http://www.lifeina.com)**

\*For a comprehensive list of compatible pens and medications, log-on to [www.lifeina.com](http://www.lifeina.com)



**“It’s time to start living the life you’ve imagined”**

Henry James

- ▶ Compact and portable
- ▶ Connected to the Lifeina app for real-time monitoring of temperature
- ▶ Automatic medication reminders
- ▶ Low-noise fan for quiet operation
- ▶ Built-in battery
- ▶ Useable in car (12V) or home (110-240V)



Did you know? The LifeinaBox mini-refrigerator uses thermoelectric technology. Thermoelectrics convert thermal energy into electrical energy to produce cold.

Thermoelectric refrigeration uses a principle called the "PELTIER" effect to pump heat electronically. The Peltier effect is named after Jean Charles Athanase Peltier, a French scientist who discovered it in 1834.

*Live your life*



TRACK



COMPACT DESIGN

CONNECTED

TRACK TEMPERATURES

6-HOUR BATTERY

USEABLE ANYWHERE

## Specifications

Dimensions:

220 x 107 x 110mm

Cavity size:

180mm wide x 65mm deep x 40mm high (468cm<sup>2</sup>)

Capacity:

8 prefilled insulin pens

Net Weight:

1350gm

Voltage:

12V DC auto socket cord or 110-240V AC domestic power cord, UL approved

Battery

2 x 3.7V Li-ion 5200mAh

Average power consumption:

25 watts max

Temperature range:

2°C to 8°C, +/- 1°C.

Insulation:

CFC-free polyurethane foam

System:

Wear-free thermoelectric technology with interior semiconductor fan

Material:

ABS and brushed aluminum

Reference:

LifeinaBox

Specifications are subject to technical improvement, changes or modifications without notice



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# Once a decade, a new technology breaks through and changes the game



Medication exposed to extreme temperatures very quickly loses its effectiveness. The perfect temperature of storage for fragile medication is between 2 and 8°C and it should never be frozen. Five percent of the world's population uses medication that has to be kept in the refrigerator permanently.

LifeinaBox is a portable refrigerator that makes it possible for people to transport their fragile medication in perfect safety during their travels, at work or on holiday. The "smallest refrigerator in the world" is designed for any medication requiring a constant and cool temperature.

LifeinaBox fits the large majority of medication pens available worldwide. It is light and portable and can be used anywhere, any time.

Connected via Bluetooth to a smartphone app, it monitors temperature and battery life in real time. The Lifeina application also sends alerts when it is time for you to take your medication.

In the words of Henry James, "***It's time to start living the life you imagined***". LifeinaBox will allow you to go any place, any time, knowing that your medication is kept at exactly the right temperature.



WE HOLD THESE TRUTHS TO BE  
SELF-EVIDENT, THAT ALL MEN  
ARE CREATED EQUAL, THAT THEY  
ARE ENDOUED BY THEIR CREATOR  
WITH CERTAIN UNALIENABLE RIGHTS,  
THAT AMONG THESE ARE LIBERTY,  
**LIFEINA**, AND THE PURSUIT OF  
HAPPINESS — THAT TO SECURE  
THESE RIGHTS, GOVERNMENTS  
ARE INSTITUTED AMONG MEN,  
DERIVING THEIR JUST POWERS  
FROM THE CONSENT OF THE  
GOVERNED, THAT WHENEVER ANY  
FORM OF GOVERNMENT BECOMES  
DESTRUCTIVE OF THESE ENDS IT  
IS THE RIGHT OF THE PEOPLE TO  
ALTER OR TO ABOLISH IT, AND TO  
INSTITUTE NEW GOVERNMENT,  
LAYING ITS FOUNDATION ON  
SUCH PRINCIPLES, AND ORGANIZ-  
ING ITS POWERS IN SUCH FORM,  
AS TO THEM SHALL SEEM  
MOST LIKELY TO EFFECT  
THEIR SAFETY AND HAPPINESS.



# Redefining the future

## How LifeinaBox works...

LifeinaBox uses thermoelectric-based technology called the «PELTIER» effect to pump heat electronically.

Thermoelectric modules are constructed from tiny metal cubes of dissimilar exotic metals that are physically bonded together and connected electrically. When electrical current passes through the cube junctions, heat is transferred from one metal to the other and cold is generated. Solid-state thermoelectric modules are capable of transferring large quantities of heat when connected to a heat-absorbing device on one side and a heat dissipating device on the other. This is the basis of thermoelectric refrigeration.

Lifeina has re-invented the production process of thermoelectric modules by producing them under vacuum to give them greater stability. The LifeinaBox cold-generating technology is completely environmentally friendly and contains no hazardous gases, pipes, coils or compressor. We call this technology **SlowCold™**.

The Lifeina thermoelectric modules are lightweight, compact, insensitive to motion or tilting, have no moving parts, and can operate directly from a 12-volt power source or from 110V-240V power source. LifeinaBox can function up 5000 hours in continuous utilization with a temperature variation of less than 0,5°C.



# *Just imagine*

*if you could redefine the future of your industry*



In our language, the word «work» refers to the production of perfect products only. If we are not producing perfect goods, we are not «working». Our work ethic reflects not only on the products themselves, but also on our way of doing business. That is why the Lifeina products carry an unlimited lifetime warranty.

The Lifeina team has developed outstanding technology that allows it to generate near infinite quantities of cold for very little energy.

Much has been written about the worldwide shortage of organs for life-saving transplants.

The main problem is not just that there are not enough organs, but mostly that there is no way to get organs to a recipient in time and in good condition for transplant. A heart has an open window of between 4 to 6 hours for a successful transplant. More often than not, a heart is too far to be transported safely for transplant, with the result that **only 27% of donated hearts are successfully transplanted**.

The Lifeina team is now working on new solutions that will redefine international standards for organ transplants.

**We have made our choice, have you?**



# LifeinaBag-12

*Isothermal bag for the transport of sensitive medication between 2 and 8°C for 12 hours*



## FREEDOM TO TRAVEL

Designed for the safe transport of fragile medication.

Keeps your medication cool at a temperature between 2 and 8°C for 12 hours at an ambient temperature of 24°C. It is the perfect travel companion for day trips.



## COOLING COMPARTMENT

keeps up to 3 standard injectable medicine pens or vials cool for 12 hours at work or while traveling.



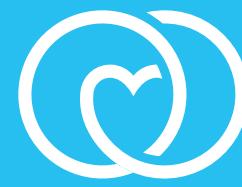
## SLOWCOLD TECHNOLOGY

Specially formulated polymer that stays frozen twice as long as a traditional ice packs and that does not "sweat" while unfreezing.



## RECOMMENDED USES

Growth hormones, monoclonal antibodies, vaccines, insulins, interferons, adrenalin\*



lifeina



[www.lifeina.com](http://www.lifeina.com)

## Technical specifications

- Weight: 360g
- Dimensions: 200 x 120 x 50mm
- Operating Environment:  
Temp: 0 ° C ~ 32 ° C, humidity: ≤85% RH
- Conditions for transport and storage:  
Temp: -20 ° C ~ 55 ° C, humidity <95% RH



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\*For a comprehensive list of compatible medications, visit [www.lifeina.com](http://www.lifeina.com)

# LifeinaBag-24

*Isothermal bag for the transport of sensitive medication between 2 and 8°C for 24 hours*



## ***FREEDOM TO TRAVEL***

Designed for the safe transport of fragile medication. Keeps your medication cool at a temperature between 2 and 8°C for 24 hours at an ambient temperature of 24°C. It is the perfect travel companion for weekend trips.



## ***COOLING COMPARTMENT***

Keeps up to 5 standard injectable medicine pens or vials cool for 24 hours at work or while traveling.



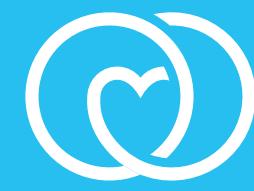
## ***SLOWCOLD TECHNOLOGY***

Specially formulated polymer that stays frozen twice as long as a traditional ice packs and that does not "sweat" while unfreezing.



## ***RECOMMENDED USES***

Growth hormones, monoclonal antibodies, vaccines, insulins, interferons, adrenalin\*



**lifeina**



[www.lifeina.com](http://www.lifeina.com)

## **Technical specifications**

- Weight: 660g
- Dimensions: 200 x 190 x 55mm
- Operating Environment:  
Temp: 0 ° C ~ 32 ° C, humidity: ≤85% RH
- Conditions for transport and storage:  
Temp: -20 ° C ~ 55 ° C, humidity <95% RH



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\*For a comprehensive list of compatible medications, visit [www.lifeina.com](http://www.lifeina.com)



## *How many intelligent reasons do you need?*

LifeinaBox is the perfect storage device for any thermo-sensitive medication. LifeinaBox is the world's smallest refrigerator, designed for the safe transport of fragile medications such as insulin or growth hormones. LifeinaBox gives you the freedom to travel anywhere, anytime, with the peace of mind of knowing that your life-saving medication is kept at exactly the right temperature.

Connected to a Smartphone application, available in iOS and Android, LifeinaBox is an essential tool for the better management of medication schedules, as well as the management of chronic diseases such as diabetes. The Lifeina app not only follows the temperature of your medications in real time, but also sends you reminders for your medication schedule so that you can better manage your condition.

### **Recommended uses for LifeinaBox**

- Adrenalin
- Interferons
- Insulin
- Monoclonal Anti TNF Antibodies
- Growth hormones
- Thyroid hormones
- Medically assisted procreation
- Antivenoms
- Coagulation medication
- Blood samples



# Once a decade

## *the bar is raised*



*“We have to make perfect products”*

Milestones are important not just as markers of the past, but as signposts to the future. In 2016, Olaf and Uwe Diegel imagined the world's smallest fridge for the transport of their insulin. We talked to patients, to doctors, to engineers to create a truly perfect product. A product that is intuitive to use, beautiful, accurate, respectful of the environment and perfect in every way. After many milestones, LifeinaBox was born. The worldwide reaction to this first generation of products has been one of wonderment.

**Reaching this milestone reinforces our mission.** At Lifeina, we stay focused on providing the solutions our customers need for better health and responsibility. We believe we are well positioned to do this. The Lifeina range is a model of sustainable health development, where we encourage users to take responsibility for their own health by giving them tools that allow them to understand the signals of their bodies and to truly **Live their life**.

We're looking ahead with the same vision that brought us to this pinnacle today.  
**With LifeinaBox, we're still raising the bar...**



*Live your life*

*With LifeinaPower  
I can go anywhere !!!*



# LifeinaPower Specifications

- ▶ Compact and portable
- ▶ Connects to LifeinaBox to give you 6-hours more freedom
- ▶ 2 x standard USB and 1 x USB-C
- ▶ Use it to charge your phone
- ▶ Slim design
- ▶ Useable anywhere



The LifeinaPower bank add is a super-slim battery pack for use with the LifeinaBox miniature fridge. It adds 6 hours of battery life to the current 6-hours built in to the LifeinaBox, giving you a total of 12 hours of protection.

It is classified as a non-dangerous UN3480, PI 965, Section IB good and can be transported by air or by sea.

*Live your life*



FOR USE WITH  
LIFEINABOX



COMPACT DESIGN



CONNECTS TO LIFEINA



6-HOUR BATTERY



USEABLE ANYWHERE

## Specifications

Dimensions:

171 x 102 x 16mm

Capacity:

7.4V/20000mAh/74

Input (Type C)

5V3A/14.5V2A/20V1.5A

Output 1(Type-C):

9V3A

Output 2:

5V2.1A

Output 3:

5V3A/9V2A/12V1.5A

Weight/poids:

450 g

Classification:

UN3480, PI 965, SECTION IB

Packaging:

Individual giftbox with inner protective blister

Number of pieces per master carton:

18 pieces per carton

Labels on master carton:



Specifications are subject to technical improvement, changes or modifications without notice





My name is samantha.  
I am ten years old.  
I was born with a disease that  
makes it very difficult for me  
to travel because i need to keep  
my medication cold all the time.  
But right now, thanks to lifeina,  
I can travel to visit my  
grandma.  
They helped me get my portable  
refridgerararator.

My favorite things are the songs  
I make up on the piano, my big  
sister's giggles, and my mom's  
voice when she reads us stories.

I hope that one day they  
will find a cure for multiple  
sclerosis, but right now I don't  
think about that.

I'm too busy being happy...

# ABOUT LIFEINA

Lifeina is an innovative startup that aims to be a global leader in the development of transport and storage solutions for sensitive medication. Our products are designed to give users the freedom to travel knowing that their medications are kept at exactly the right temperature.

The Lifeina solutions are specially designed to bring added value to the medications they are made for. Strategically located in Paris, we have the reputation of always anticipating the needs of our customers with an approach that is based on the total satisfaction of the end-user of the medication.

Our team of experts includes physicians, patients and engineers who are dedicated to finding better solutions for the transport and storage of sensitive medication.

*Exceeding your expectations for the transport and storage of medications*

For Uwe DIEGEL, creator of Lifeina, the company represents a personal investment. *“In 2016, my brother almost died following an incident where his medication was accidentally frozen in a hotel. So I started this company because of reasons that are more of a personal*

*nature than just business. Lifeina is for me the ultimate expression of innovation at the service of healthcare. If the Lifeina products are so popular, it is because they are designed by patients for patients and because we speak directly with users of the medications to really understand their needs. “*

## *The Lifeina Mission*

Lifeina challenges benchmarks in the thermo-sensitive medication sector. We manufacture and market innovative solutions for the storage and distribution of thermo-sensitive medications.

## *The Lifeina Vision*

A future where users of medication are not hampered by intrinsic limitations dictated by their health condition. A future where users are allowed the freedom to take responsibility for their health by using the correct tools for health management.

**For more information, please contact:**

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**BON  
VOYAGE !**

