

Proposal of Cooling Vest for doggy

Innovative Cooling Pack Products

Horay World®

<http://ryozai-ya.com/html/page22.html>



– **A Summer changes, A lifestyle changes** –

New cooling wear and gear in **hot environment**

A-MEC Co., Ltd

Please visit our web page to search **“Horay world”**

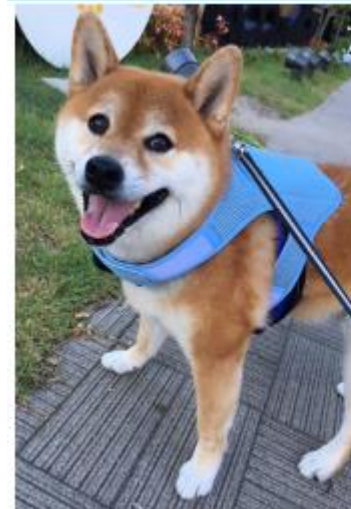
What is “Horay-World”?



“Horay-World”: new cooling wear and cooling gear that utilize **ICP** (innovative cooling pack)
(“Horay” means cooling pack in Japanese)

Applicable to all breeds of Canines

Horay-World/Horay cooling Vest for Doggy (HVD)



Proof of trust on “Horay-World”

1. Authorization of METI

: Certified by METI: Awarded Innovative Manufacturing Award 2017 in the Small and Medium Business category.

(METI : Japan Ministry of Economy, Trade and Industry)

2. Market achievements :

“Horay-World” is the **best selling** cooling vest in Japan.

Check out “Horay-World”

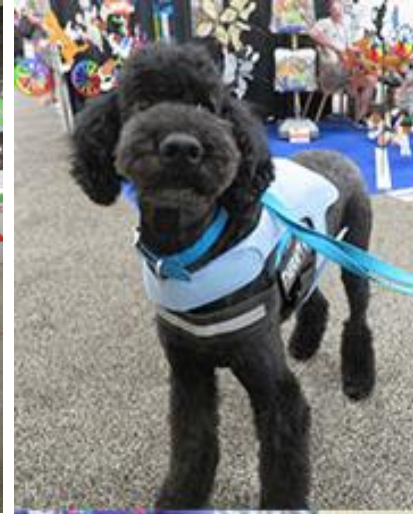
SuperZoo Las Vegas.



A-MEC exhibited “**Horay World**” at **SuperZoo** Las Vegas, the largest exhibition of pet industry.

Super Zoo at Las Vegas, August 2019.

There were 164 visitors to our booth. Thank you.



“Horay-World” (Cooling Vest) new technologies/features

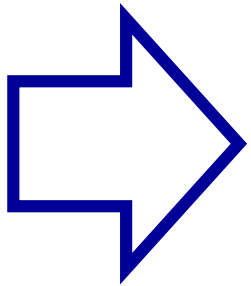
3 new technologies

1. Developed **ICP**(innovative cooling pack)

We can develop **ICP** of **various temperature** to **optimize** for **usage**.

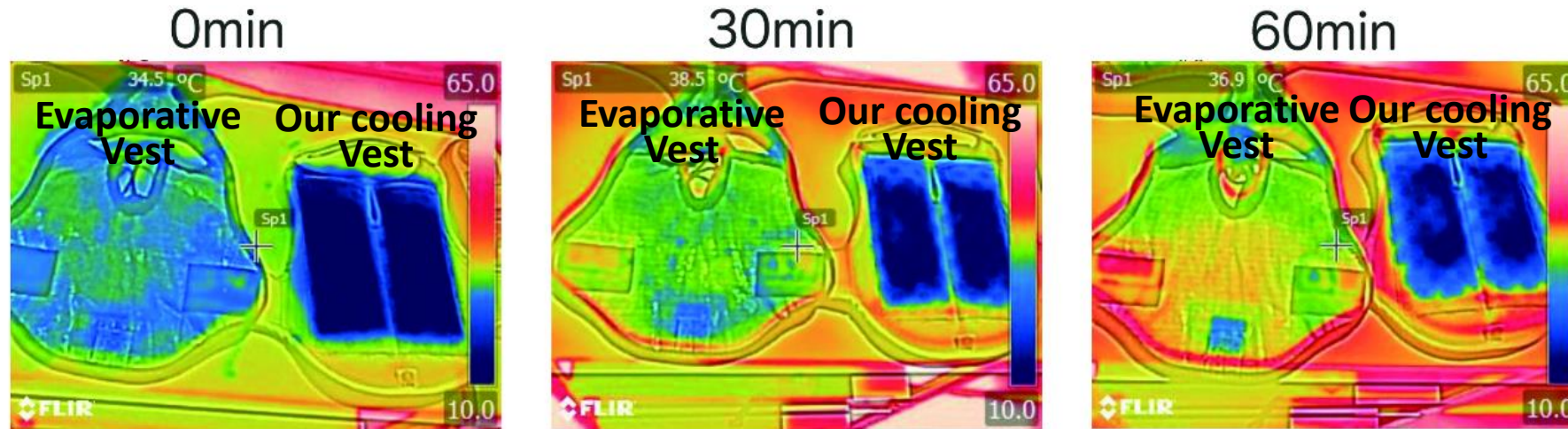
2. Cooling Pack has **new chemical components and structures**.

3. Designed to maintain **the coolest and most comfortable temperature**, even in **extreme heat**.



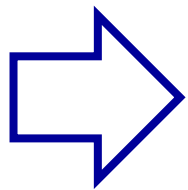
Superior in stability of **optimum temperature** for human use with **longer cooling time**.

Comparison test on cooling power with Evaporative Vest








Dog vest **S size**, Thermal change test which we used thermography FLIR

Result: The cooling effect time of Evaporative vest was very short as below **0.5 hours**. Our new ice pack was **longer-lasting** more than **1.5 hours** on S size. Ours for human or dog XL size is more than **4 hours**. (refer to page9)



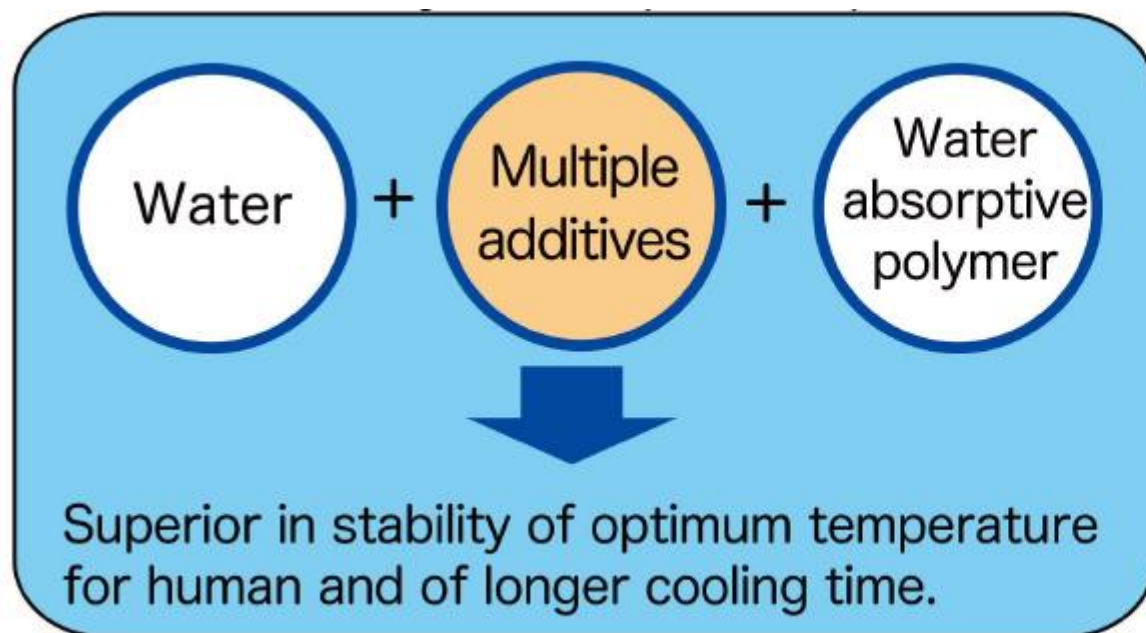
It needs more 0.5~1.0 hours for dog walk.

Comparison with Evaporative method

Item/Performance	ICP(innovative cooling pack)	Evaporative method
Cooling Power	 :AA (Freezing Tem.25~50°F) <i>:We can change temperature to optimize for usage.</i>	× :D (Non Freezing)
Effect hours. Capacity of Cold storage	 :AA (3~4hours)/XL size	× :D (1hours)
Weight including vest cloth	 :A (0.5~2.5 Lb.)	 :AA (just cloth weight)
Comfortability Healthiness	 :AA (very cool and dry)	× :D (semi cool and wet) Wet is not good for skin health of dog.

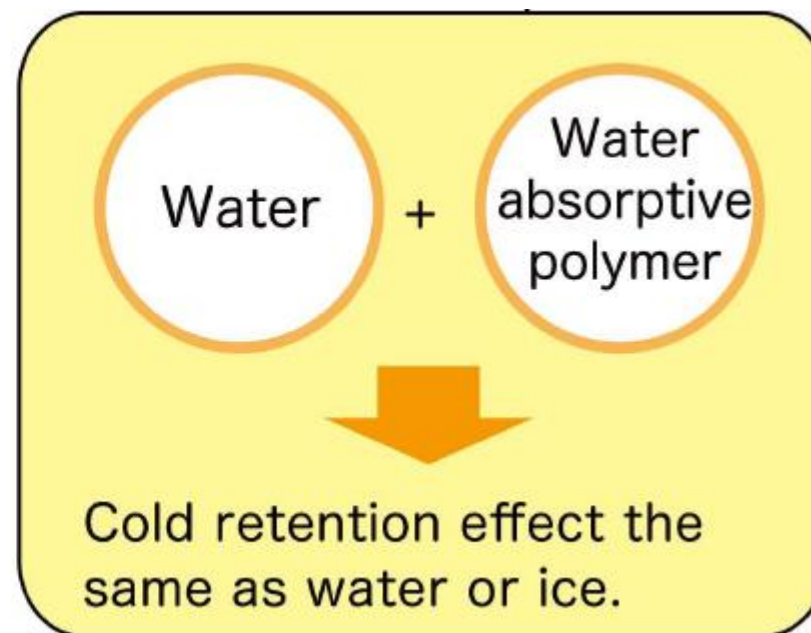
Reason of long-lasting cooling power

Our new technologies



4 hours and more long-lasting

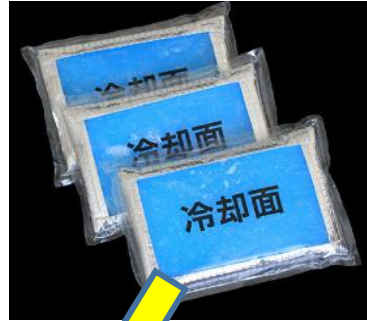
Other ice pack



2.0 hours at average

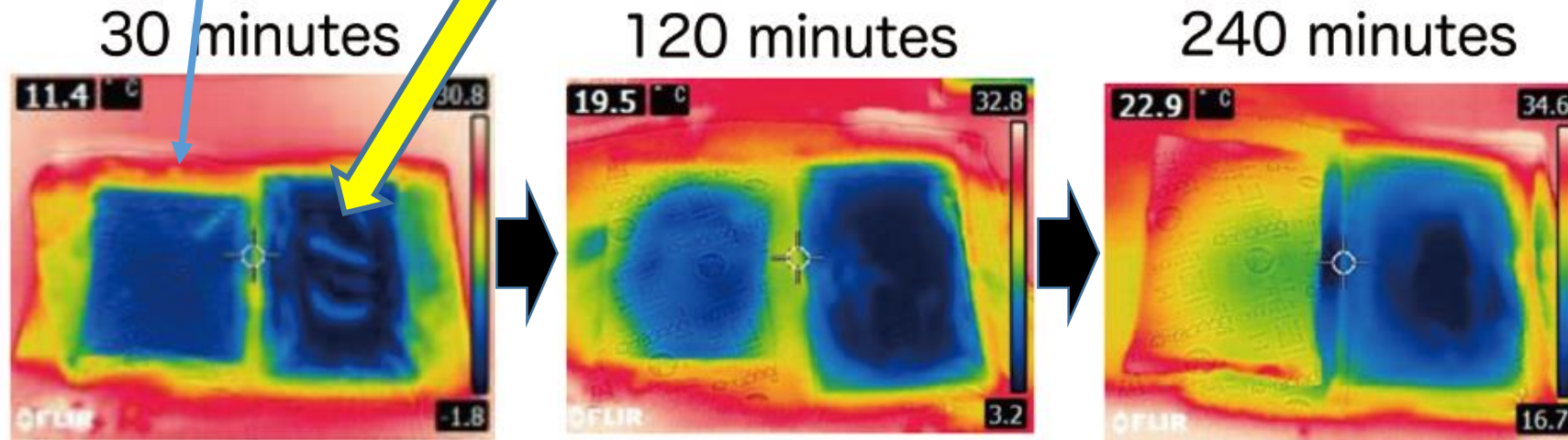
ICP (innovative cooling pack) proved longer-lasting

General ice pack (L) Our ICP (R)



Result: The cold effect of our ICP was sure 4 hours or more at room temperature 85 F.

(Our ICP is for Human or Dog XL Size)

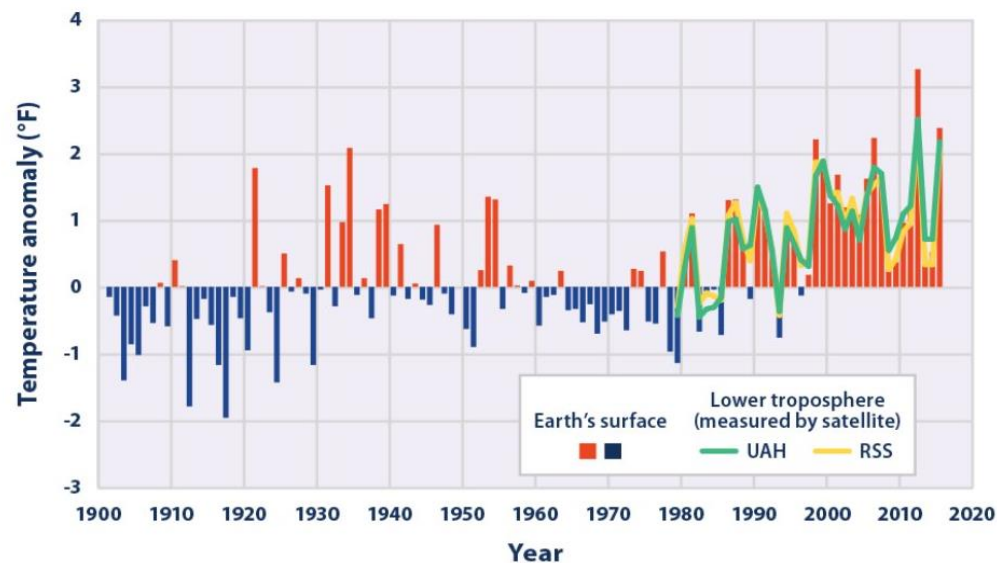


Thermal change test which we used thermography FLIR

Temperature rise due to Global Warming

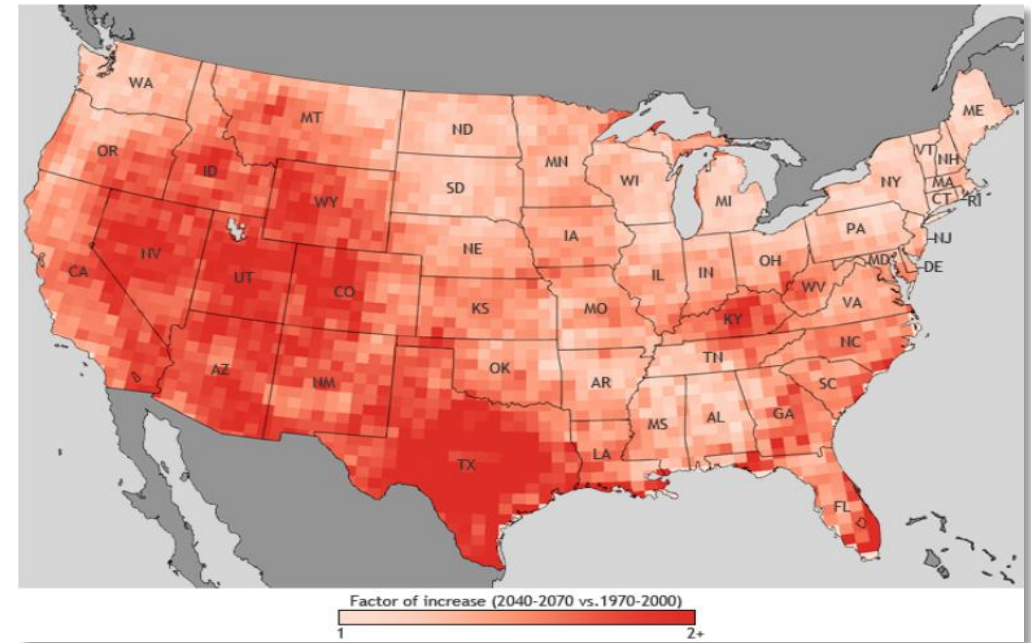
Temperature changes in 48 States, 1901-2015

Figure 1. Temperatures in the Contiguous 48 States, 1901-2015



Temperature forecast by mid-century

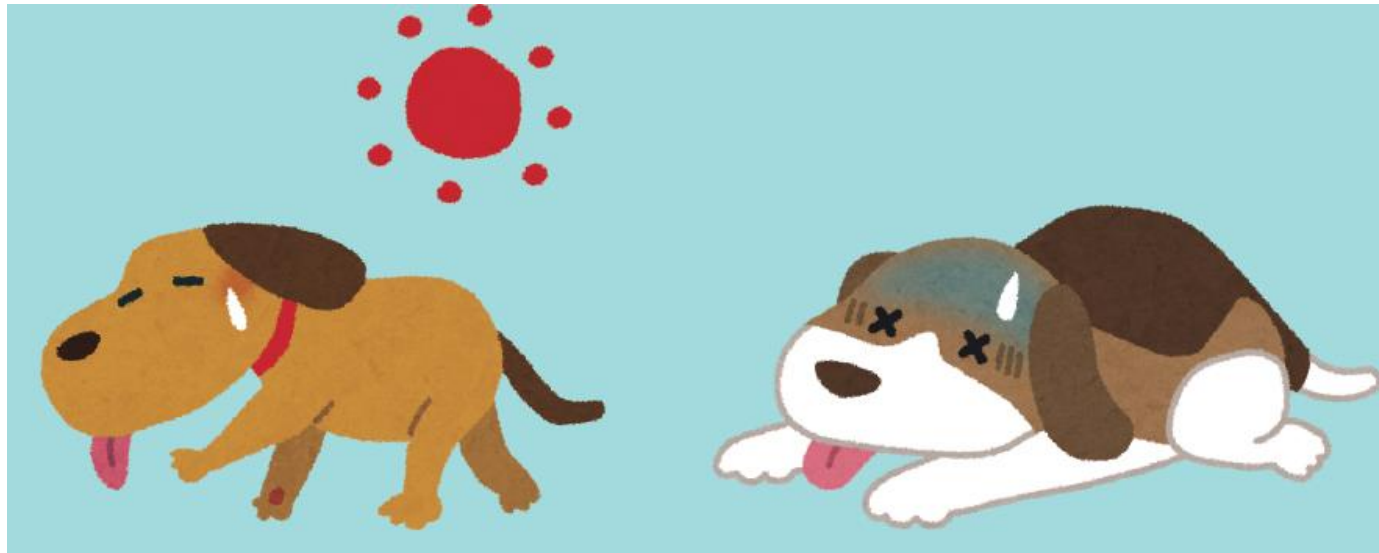
Over 75 days estimates **above 95F** per year at south region



we require new measures!

Dogs are very weak against heat environment more so than humans

Most dogs are covered with body hair all over the body and they cannot sweat like a human. They are strong against cold weather, but they are weak animals against heat environment. So, Dog easily become heat stroke more than a human being. But dogs can not appeal the heat-stress for themselves.



Your Kindness for the Doggy in Summer!



A-MEC exhibited "**Horay World**", at **SuperZoo** Las Vegas, the largest exhibition of pet industry.



We have five-sizes for so various doggy

Target dog example	SS :	Ultra small dogs such as Chihuahuas, Pomeranian, Yorkshire Terrier and small dogs
	S :	Large compact dogs such as toy poodle, shih tzu, maltese
	M :	Small medium-sized dogs such as Shiba Inu, Corgi, French Bulldog, Spitz
	L :	Large medium dogs such as bulldogs, bull terriers, Labrador retriever, and large dogs
	XL :	Large dogs such as Golden Retriever, Siberian Husky

Horay-World products being expanded !

Work
cooling vest
Horay
Cooling Vest



Horay
Cooling Back
Support
"Town Cool"



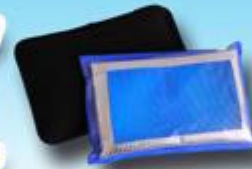
"Horay Icing
Support"
Cold
pain therapy



Horay Cooling Vest
for Doggy



Horay
Soft Icing Pillow
"All Night
Cooling Pillow"



Horay Cooling
Back Support
for Kids



Icy Cervical Collar
"Horay
Neck Icing"



We help cope with hot-environments



The **best seller** of Ice cooling vest **in Japan**.

We are sincerely looking forward to your inquiry!

Innovative Cooling Pack Products
Horay-World

E-Mail : contact@ryozai-ya.com

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