

Registration System of Anti-*Legionella* Chemicals and Results of External Quality Assessment for *Legionella* Testing

Masakazu Hayashi, Takayuki Baba, Takanari Kume, Makoto Horiike, Koh Matsunaga, Tsuyoshi Kanoh, and Hiroaki Inoue
The Japan Association of Anti-*Legionella* Chemicals for Cooling Water

About us

The Japan Association of Anti-*Legionella* Chemicals for Cooling Water was established in 1991 by private water treatment companies in Japan to supply effective, highly safe anti-*Legionella* chemicals and disseminate correct information about environmental *Legionella* contamination. Main efforts of Our Association are enlightenment activities to prevent Legionnaires' disease, maintaining a registration system of effective water treatment chemicals against *Legionella* submitted by member companies, and improved accuracy of *Legionella* testing.

Member Companies



Enlightenment Activities to Prevent Legionnaires' Disease



Our Website (<https://www.legikyo.gr.jp/>)

We have published "Guidance on Prevention of Legionnaires' Disease in Cooling Water Systems" for cooling tower managers and have distributed it since 2001.

We also provide information on Legionnaires' disease prevention on our website and conduct enlightenment activities to prevent Legionnaires' disease in cooling water systems.



Guidance on Prevention of Legionnaires' Disease in Cooling Water Systems

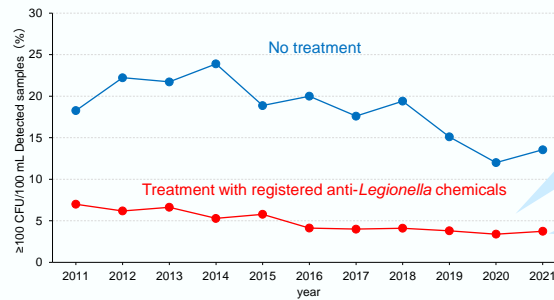
Registration System of Anti-*Legionella* Chemicals

Requirements for Registration

- Efficacy against *Legionella* (Testing for *in vitro*, and using a cooling tower)
- Safety in humans (Skin irritation test on animals)

Water treatment chemicals can be registered as an anti-*Legionella* chemicals by submitting these data to us.

Current number of registered chemicals: 174 items



Efficacy of the treatment with anti-*Legionella* chemicals

Use of registered anti-*Legionella* chemicals is effective in inhibiting *Legionella* growth in cooling water systems

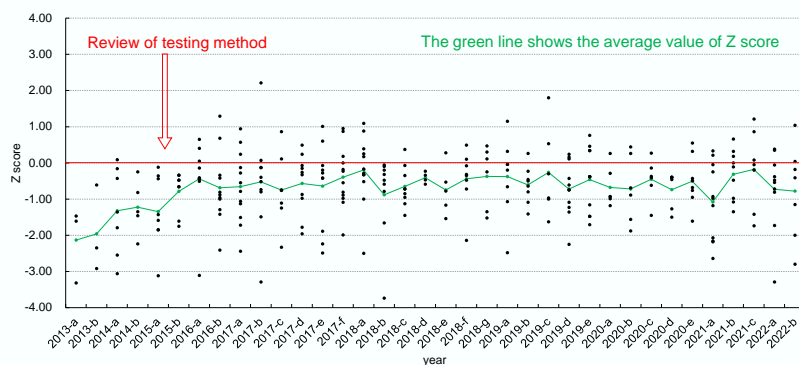
The number of samples analyzed in each year is more than 10000

Participation in External Quality Assessment for *Legionella* Testing

We have been working to standardize *Legionella* testing methods in cooling tower waters to improve *Legionella* testing by each member company. Since 2013, we have participated in the external quality assessment (EQA) for *Legionella* testing established by the UK Health Security Agency.



Certificate of Participation in EQA of UK HSA.



Change in Z-scores of participating companies

We certify participating companies that satisfy the requirements for EQA.



Certified companies may display this mark on test reports and other documents.