



Citron Hygiene

E-card, the natural antimicrobial solution

The E-card is a natural anti-microbial product which eradicates bacteria that can enter and grow in a PPE or Sanitary Disposal Unit, while producing a pleasant fragrance in the surrounding environment. It protects operators and end users from any pathogenic bacteria and prevents any offensive odours developing at source.

Key Features and Benefits

- Verified anti-bacterial and anti-viral performance developed specifically for the treatment of waste in lined and unlined bins. **Proven to be effective against all enveloped viruses including SARS-CoV-2 (COVID-19)** Hep B, Hep C, Herpesviridae and HIV.
- Powerful natural, vapour phase germicide disinfects all contents and surfaces, including the lid.
- Product testing demonstrates extremely high level of efficacy against broad range of pathogenic bacteria. Compliant with Biocidal Products Regulation (Regulation (EU) No 528/2012).
- Ecologically sound - Non-toxic and natural in origin replacing the use of noxious and hazardous chemicals. 100% Biodegradable card.
- Protects users, service operators and business reputation.
- Laboratory tested and proven to have excellent antimicrobial efficacy 'in use' for the full 6 weeks service period.



Proven to
have excellent
antimicrobial
efficacy 'in use'
for at least
6 weeks



Citron Hygiene

E-card, the natural antimicrobial solution

How Does E-card Work?

E-card is based on our patented, natural vapour technology and tested to ensure activity throughout the PPE or sanitary bin for the duration of a service.

The active components are based on a unique blend of volatile, natural plant extracts.

The first noticeable effect is the immediate fragrance action which creates a pleasant aroma in the surrounding room.

The natural anti-microbial vapours then permeate the whole unit and continue to be effective even when the waste unit is full.

This gives enhanced natural anti-microbial activity in lined units for a minimum of 6 weeks, up to 30% longer than most available products.

The totally dry system has been specifically developed to release the natural germicide in a controlled manner to ensure total natural anti-microbial coverage throughout the duration of the service.

Testing According to BS EN Standard Disinfectant Methods

The E-card fluid has been independently tested and passes the following Standard disinfectant methods:

- BS EN 1276:2009
- BS EN 13727:2012+A2:2015
- BS EN 13697:2015

Virology

Independent testing using the standard method- EN 14476:2013 + A2 2019 has shown that the E-card fluid is effective in against all enveloped viruses as defined in EN 14476:2013 + A2:2019 Annex A. Including all coronaviruses and SARS-CoV-2.

- Poxviridae
- Herpesviridae
- Filoviridae (e.g. Ebola, Marburg)
- Flavivirus
- Hepatitis C Virus (HCV)
- Hepatitis Delta Virus (HDV)
- Influenza Virus
- Paramyxoviridae
- Rubella Virus
- Measles Virus
- Rabies Virus
- Coronavirus (e.g. SARS, MERS)
- Human Immunodeficiency Virus (HIV)
- Human T Cell Leukemia Virus (HTLV)
- Hepatitis B virus (HBV)

Reference: Van Regenmortel MHV et al.,Eds.: Virus Taxonomy, Classification and Nomenclature of Viruses, seventh report of the international committee on taxonomy of viruses. Academic Press, San Diego, 2000