

Instruction Manual

Catalog Number	PK-CC91-5071
Kit Contents	PK-CC91-5071 consists of PromoCidal Spray (500 ml, PK-CC91-5052), Aquaguard-1 (100 ml, PK-CC01-867-1B) and Aquaguard-2 (500 ml, PK-CC01-916-500)
PromoCidal Spray	500 ml
Description	<p>PromoCidal Spray is a reliable, all-purpose solution for highly effective surface cleaning and disinfection of critical and high-risk work areas. PromoCidal eliminates bacteria (including mycoplasmas), fungi and viruses reliably within 5 minutes and is also effective in denaturing DNA and RNA.</p> <p>PromoCidal is very safe and simple to use. The formulation contains only a very low concentration of isopropanol (<1%) and is free of aldehydes, chlorine, phenols, peroxides as well as nonylphenol ethoxylates (NPEs). PromoCidal has a scientifically proven bactericidal, virucidal, and fungicidal efficacy meeting all EU requirements including EN1276; EN14561; EN14476; EN13727; EN13697; and EN13624. It fully complies with EU requirements for biocides and is very eco-friendly (biodegradable under OECD conditions). It is virtually non-irritant, and not known to be carcinogenic or mutagenic. PromoCidal is compatible with all washable surfaces (including glass, metal, ceramics, fabric, plastic, and rubber), is non-fuming and non-corrosive, making it safe for the effective cleaning and disinfection of hard laboratory surfaces and apparatuses, including laminar flow hoods, incubators, work benches, centrifuges, cell storage boxes, cryo-chambers, shelves, fridges, and instruments. PromoCidal Spray is ideal for laboratory everyday maintaining a safe, clean, contamination-free work area.</p>
Quantity	• 500 ml (PK-CC91-5052)
Effective against many Contaminants	Works effectively and reliably against bacteria, fungi and viruses.
Non-Corrosive/Non-Carcinogenic	PromoCidal is a non-corrosive and non-irritant solution.
Ready-to-Use and convenient	PromoCidal is a ready-to-use solution supplied in a refillable spray bottle or in an economic 5 L can.
Applications	<p><u>Disinfection of surfaces</u> Remove solid waste. Spray PromoCidal directly and evenly on the contaminated surface until it is moistened completely. After 5 minutes wipe clean and dry with a disposable towel. (Caution: Spraying the workbench filter system is not recommended. Disinfection Spray is for hard surfaces only. Do not spray porous surfaces!)</p> <p><u>Disinfection of laboratory apparatuses</u> Moisten a paper towel with PromoCidal and wipe off all surfaces of the apparatus. Wipe to dryness with a new paper towel.</p> <p><u>Disinfection of CO₂ incubators</u> The incubator should be off and empty before treatment with PromoCidal. Spray surfaces thoroughly, leave for 5 minutes and wipe the surface of the incubator to dryness with a disposable paper towel.</p>
Storage & Stability	Stable at room temperature (RT). PromoCidal should be stored and used at RT.
Related Products	For elimination of mycoplasmas in cell cultures, we recommend using our Mycoplasma-EX kit (order #: PK-CC91-4003). For convenient and sensitive detection of mycoplasma or bacterial contamination, we recommend using our PCR Mycoplasma Test Kits for conventional or Real-Time PCR (order #: PK-CA91-1024, PK-CA91-1048, PK-CA91-1096 or PK-CA91-3025A/PK-CA91-3025B/PK-CA91-3025C) or our PCR Bacteria Test Kits (order #: PK-CA91-2024, PK-CA91-2048) for conventional PCR.
Caution	Use biocides safely. Always read the label and product information before use. Although PromoCidal Spray is not known to be harmful to health, intensive skin and eye contact as well as inhalation should be avoided. Disposable gloves and safety glasses should be worn while handling the reagent. Rooms without air conditioning should be ventilated after using PromoCidal. Please refer to the respective MSDS. For spraying turn spray nozzle from position "OFF" to "ON".

Aquaguard

Aquaguard-1	50 ml
Aquaguard-2	500 ml
Cleaning and Disinfecting CO ₂ Incubators	<p>A CO₂ incubator is a basic piece of equipment in any laboratory involved in cultivation of in vitro cells. The culture bottles must be kept slightly opened in order to allow the penetration of CO₂, and enable the formation of a bicarbonate-CO₂ buffer system, which is the most common buffer system for tissue culture. Leakage of medium from the culture bottles, high humidity, suitable temperature, the water tray and the air flow, all form a fertile breeding ground for the development of contaminants in the incubator, which are liable to contaminate the tissue culture in all the semi-opened culture bottles.</p> <p>As soon as contamination appears in the incubator, it is very difficult to eliminate it, and severe damage can be caused. Therefore, it is essential to systematically clean and disinfect the incubator. It is recommended to disinfect every 14 days, or at least once a month.</p>
Cleaning	The shelves and surfaces of the incubator should be cleaned with soap and water. After washing with water, dry with absorbent paper.
Disinfecting the Incubator Surfaces	We recommend using one of our highly efficient Mycoplasma-ExS, PromoCidal and Spore-EX Disinfection Sprays or Disinfection Wipes (see our catalog or website for more information) which are very effective against bacteria, fungi, viruses, and spores. It is recommended to spray the incubators thoroughly every two weeks (please see respective data sheets).
Maintaining the Water Quality in the Incubator (Tray)	<p>The water required for humidity is a source of microbial contamination which disperses in the incubator. In order to keep the water in the incubator (tray) clean and free of unwanted contaminations, we recommend Aquaguard-1 Solution (Cat. No. PK-CC-01-867-1B), which contains a non-corrosive reagent that does not cause damage to the stainless steel or copper trays. Aquaguard-1 is non-irritating, non-volatile, and extremely effective in maintaining the water quality in the incubator tray. We recommend using Aquaguard-1 for the water trays of common incubator types. Some larger incubators may use steam-generators or atomizers to control relative humidity levels. Please ask whether Aquaguard-1 is suited for such incubators as well.</p> <p>The water should be replaced with sterile water every two to four weeks, adding 50 ml of Aquaguard-1 per 5 liters of water.</p> <p>Preventive treatment as described above will prevent damage that can be caused as a result of contamination to the tissue culture. In addition, it will also prevent the necessity of dealing with contamination that has dispersed in the incubator and causes repeated contamination of the tissue culture.</p>
Maintaining Ordinary Water Baths free of Microbial Contamination	<p>Aquaguard-2 (Cat. No. PK-CC01-916-500) has been developed for maintaining various kinds of water baths free of contaminating microorganisms such as bacteria and most fungi. Aquaguard-2 is effective against all groups of bacteria including anaerobic sulphate-reducing bacteria (SRB), and it also inhibits algal growth. Aquaguard-2 is heat-stable up to 100°C and no foam is produced when using it with circulating water baths. Avoid mixture with alkali.</p> <p>It is recommended to use 10 ml of Aquaguard-2 for each liter of water in the bath, and to repeat the procedure every 1-2 weeks. After 4-6 weeks, the water bath should be emptied, cleaned (using e.g. our PromoCidal or Spore-EX wipes; see catalog or website for more information) and refilled with water containing Aquaguard-2. (Note: To protect the water bath reliably from growth of most fungi, a dilution of 50 ml Aquaguard-2/liter of water is recommended.)</p> <p>The active ingredient in Aquaguard-2 is non-corrosive, non-volatile and does not cause any irritating effects to the skin when used in the recommended concentration. It is biodegradable. Aquaguard-2 is not suited for use in CO₂ incubators.</p>
Intended Use	For in vitro research use only. Not for diagnostic or therapeutic procedures.
Storage & Stability	Stable at 4°C for 3-6 months. For long-term storage keep at -20°C.

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