



RapiScreen™ Dairy 1000 Kit

For Hygiena's Innovate™ Rapid Microbial Screening System

Product No. KIT4000 (1,000 tests)



Introduction

Description and Intended Use

Hygiena's RapiScreen™ Dairy Kit, along with the Innovate™ System luminometer and Innovate™ software, provides a rapid screening method to confirm the absence of microbial contamination in long-life dairy, soy and similar products. The presence/absence of microorganisms is determined by using ATP bioluminescence technology.

The system is intended for use by trained operators.

Kit Components of the RapiScreen Dairy Kit (1,000 tests)

Kit Configuration	1,000 Test Kit
Sensilux	10 x 100 test vials
Dilutor DS	10 x 9.8 mL vials
Cellsolver DE	1 x 101 mL vial
ATX	10 x 100 test vials
Dilutor DA	10 x 9.8 mL vials
Microwash	1 x 290 mL bottle
Polypropylene (PP) vials	4 x 50 mL vials
Microplates, 96-well	11 plates

Test Procedure

Getting Started

1. Remove one vial of each reagent from storage at 2 to 8 °C. To avoid contamination, wear gloves when opening glass vials. Allow reagents to warm to room temperature before reconstitution.
2. Carefully open a vial of Sensilux (yellow cap) and a vial of Dilutor DS (yellow cap). Pour the contents of the Dilutor DS into the Sensilux and swirl gently to mix. Then pour the total contents into a 50 mL PP vial.
Do not shake.
3. Carefully open a vial of ATX (red cap) and a vial of Dilutor DA (red cap). Pour the contents of the Dilutor DA into the ATX and swirl gently to mix. Then pour the total contents into a second 50 mL PP vial.
4. The Cellsolver DE and Microwash are ready for use.
5. Place the reagents in the Innovate System reagent holder cooling unit and leave for 15 minutes before use.
6. Prime the Innovate System luminometer with the prepared reagents.



Protocol

1. Incubate the sample in its original packaging (or separate container) at 30 °C (or other validated temperature) for a minimum of 48 hours.

Note: The typical incubation time for UHT dairy products is 24 – 72 hours. All users should determine the most appropriate sample preparation, incubation times and temperatures based on their product types and microorganisms of interest.

2. Following incubation, shake the sample to ensure any contamination is well-mixed.
3. Pipette 50 µL of the sample into a well of the microtiter plate.
4. Place the microtiter plate in the luminometer and run the appropriate protocol.

The light emitted is then measured and recorded in Relative Light Units (RLU).

Refer to the Innovate System Operator Manual for full instructions on the programming and operation of your instrument.

Additional Information

Controls

It is recommended to run an instrument blank, reagent blank and ATP positive control daily to ensure the system is functioning properly.

Interpretation of Results

Compare the RLU values to the product RLU threshold and determine the pass/fail status of each sample. Refer to your Hygiena® Technical Support Representative to determine how the RLU readings should be interpreted.

Positive results should be further confirmed and identified according to the user-defined microbiology methods for contamination investigations.

Kit Storage and Shelf Life

1. The RapiScreen Dairy Kit for the Innovate System must be stored refrigerated at 2 to 8 °C when not in use.
2. The reconstituted RapiScreen reagents are stable for up to 5 days when stored in the Innovate reagent holder cooling unit.
3. Do not mix reagents from different kit lots.
4. The performance of this kit and its components cannot be guaranteed beyond the expiry date stated on the kit box.

Safety and Precautions

Intended for *in vitro* use only.

The reagents in this kit do not pose any risk to health when used in accordance with standard laboratory practices. The reagents are non-toxic and should be disposed of in the appropriate waste container. See material safety data sheets (SDS) for further details.



Hygiena Liability

Hygiena will not be liable to the user or others for any loss or damage, whether direct or indirect, incidental or consequential from use of these devices. If this product is proven to be defective, Hygiena's sole obligation will be to replace the product, or at its discretion, refund the purchase price. Promptly notify Hygiena within 5 days of discovery of any suspected defect and return the product to Hygiena. Please contact Customer Service for a Returned Goods Authorization Number.

Contact Information

For more information, visit www.hygiena.com/contact.

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