RapiScreen™ Beverage kit for the Hygiena™ Innovate

Catalogue Number: KIT4010 • 1,000 assays

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Manufactured in Germany for Hygiena™.

The **Hygiena™ RapiScreen Beverage kit,** along with the Hygiena™ Innovate luminometer and Innovate.im software, provides a rapid screening method to confirm the absence of microbial contamination in beverages. The presence/absence of microorganisms is determined utilizing ATP Bioluminescence technology.

Kit Configuration	100 Assay Kit
Hygiena™ LuminATE™	10 x 100 assay vials
Hygiena™ LuminATE™ Buffer	10 x 14 ml vials
Hygiena™ LuminEX™	1 x 136 ml bottle
Hygiena™ LuminASE™	10 x 100 assay vials
Hygiena™ LuminASE™ Buffer	10 x 10 ml vials
Microwash	1 x 175 ml bottle
PP-vials	4 x 50 ml vials
Microplates, 96-well	12 plates

Getting Started

1) Remove one bottle of each reagent from storage at 2-8°C. To avoid contamination, wear gloves when opening glass vials. Allow reagent to warm to room temperature before reconstitution.
2) Carefully open a bottle of **Hygiena™ LuminATE** (yellow cap) and a bottle of **Hygiena™ LuminATE** Buffer (yellow cap). Pour the contents of the **Hygiena™ LuminATE** Buffer into the **Hygiena™ LuminATE**, replace the lid and swirl gently to mix. Then pour the total contents into a 50 ml PP-vial.
3) Carefully open a bottle of **Hygiena™ LuminASE** (red cap) and a bottle of **Hygiena™ LuminASE** Buffer (red cap). Pour the contents of the Hygiena™ **LuminASE Buffer** into the **Hygiena™ LuminASE**, replace the lid and swirl gently to mix. Pour the total contents into a second 50 ml PP-vial.
4) The **Hygiena™ LuminEX** is ready for use.
5) Place the reagents in the Innovate reagent holder and leave for 15 minutes before use.
6) Prime the Hygiena™ Innovate luminometer with the prepared reagents ready for use.

One-step Protocol

For high viscous beverages, use the Hygiena™ two-step protocol. Contact your local Technical Support Representative to determine which protocol is appropriate for your application.

1) Incubate the sample in its original packaging (or separate container) at 30°C (or other validated temperature) per product's SOP.
2) Following incubation, shake the sample to ensure any contamination is well mixed.
3) Pipette 50 µl of the sample into a well.
4) Place the microplate in the luminometer which will automatically perform the following RapiScreen Beverage protocol:
    i) Inject 60 µl Hygiena™ LuminASE
    ii) 10 minute incubation, shaking
    iii) Inject 100 µl Hygiena™ LuminEX
    iv) 10 second extraction
    v) Inject 100 µl Hygiena™ LuminATE
5) The light emitted is then measured and recorded in Relative Light Units (RLU).

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

Controls

It is recommended to run a positive and negative control on a daily basis in order to be sure the system is functioning properly.

Interpretation of Results

Compare the RLU values and determine the pass/fail status of each sample. Please refer to your Hygiena™ Technical Support Representative to determine how the RLU readings should be interpreted.

Technical Support

Contact your local Technical Support Representative for further information on setting parameters on the instrument.

Kit Storage

1) The RapiScreen Beverage kit for the Innovate must be stored refrigerated at 2-8°C upon receipt.
2) The reconstituted **Hygiena™ LuminATE** is stable up to 5 days when stored at 2-8°C.
3) At the end of the working day, the **Hygiena™ LuminEX** should be removed from the instrument and stored at 2-8°C.

Safety

The reagents in this kit do not pose any risk to health when used in accordance with standard laboratory practice. The reagents are non-toxic and should be disposed of in the appropriate waste container. See MSDS for further details.

Shelf-life

The performance of this kit and its components cannot be guaranteed beyond the expiry date stated on the kit box.