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## Customer Support

For additional assistance please contact your local Hygiena representative or Hygiena Technical Support.

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Manufactured in Germany for Hygiena.

## RapiScreen™ Nutrition kit

*Catalogue Number: KIT4006 • 200 assays  
KIT4007 • 825 assays*

The **RapiScreen Nutrition kit** provides a rapid screening method to confirm the absence of microbial contamination in clinical nutrition products. Samples are first enriched by incubation in their original packaging. The presence of micro-organisms in a sample is then rapidly determined using ATP bioluminescence.

Kit Configuration:	200 Assay Kit	825 Assay Kit
Hygiena LuminATE™	4 x 50 assay vials	5 x 165 assay vials
Hygiena LuminATE™ Buffer	4 x 8.6 ml vials	5 x 20.1 ml vials
Hygiena LuminEX™	4 x 8.6 ml vials	5 x 20.1 ml vials
Hygiena LuminASE™	4 x 50 assay vials	5 x 165 assay vials
Hygiena LuminASE™ Buffer	4 x 6.1 ml vials	5 x 11.85 ml vials

## Getting Started

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- 1) Remove one vial of each reagent from storage at 2-8°C.
- 2) Carefully open a vial of **Hygiena LuminATE™** (yellow cap / label) and a vial of **Hygiena LuminATE™ Buffer** (yellow cap / label). Pour the contents of the **Hygiena LuminATE™ Buffer** into the **Hygiena LuminATE™**, replace the lid and swirl gently to mix.
- 3) Carefully open a vial of **Hygiena LuminASE™** (red cap / label) and a vial of **Hygiena LuminASE™ Buffer** (red cap / label). Pour the contents of the **Hygiena LuminASE™ Buffer** into the **Hygiena LuminASE™**, replace the lid and swirl gently to mix.
- 4) The **Hygiena LuminEX™** (green cap / label) is ready for use.
- 5) Allow all reagents to warm to room temperature (18-23°C) for at least 15 minutes, swirl again gently to mix before use.
- 6) Wash, rinse and prime the Advance luminometer with the prepared reagents ready for use.

## Protocol

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1. Incubate the sample in its original packaging at 30°C (or other validated temperature) for a minimum of 48 hours.\*
2. Following incubation, shake the sample to ensure any contamination is well mixed.
3. Pipette 50 µl of the sample into a cuvette. If the sample cannot easily be pipetted, please contact your local technical support representative for recommendations on sample preparation.
4. Place the cuvette in the Advance which will automatically perform the following protocol:
  - i) Inject 50 µl **Hygiena LuminASE™**
  - ii) 5 or 15 minute incubation \*
  - iii) Inject 100 µl **Hygiena LuminEX™**
  - iv) 10 second extraction \*
  - v) Inject 100 µl **Hygiena LuminATE™**
  - vi) The light emitted is then measured and recorded in Relative Light Units (RLU)

*Refer to the Advance Operator Manual and Advance.im Software Operator Manual for full instructions on the programming and operation of your instrument.*

## Controls

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On a daily basis it is recommended to run a positive and negative control in order to be sure that the system is functioning correctly.

## Interpretation of Results

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

## Technical Support

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Protocol sections marked with an asterisk (\*) refer to parameters which may need to be set for individual users or applications. Contact your local Technical Support Department for further information.

## Kit Storage

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- 1) The RapiScreen Nutrition kit must be stored refrigerated at 2-8°C upon receipt.
- 2) Once reconstituted, the reagents are stable for 5 days at refrigerated temperature (2-8°C). After being connected to the luminometer for an entire working day (up to 8 hours) at room temperature (18-23°C), any remaining reagent can be returned to the refrigerator and brought to room temperature one more time for a full working day within the 5 day stability period. Do not freeze any reagents.

## Safety

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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 may be flushed down the drain after use. See appropriate MSDS for further details.

## Shelf Life

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