

PIKA FASTORANGE® B READY TO USE TUBES 48-PACK

Incubation tubes with swabs for hygiene monitoring

Cat. No. 2036-3

| Description | Amount | Storage |
|--|------------------|--------------------------------|
| Incubation tubes and swabs for the detection of indicator microorganisms and biofilms. | 48 x 5 mL tubes | Store dark at room temperature |
| | 48 sterile swabs | Store at room temperature |



Warning! Read the manual and the Safety Data Sheets before starting the analysis. Safety Data Sheets are available in the download area from www.pika-weihenstephan.com. All handling steps should be performed under sterile conditions. Wear appropriate protective clothing.

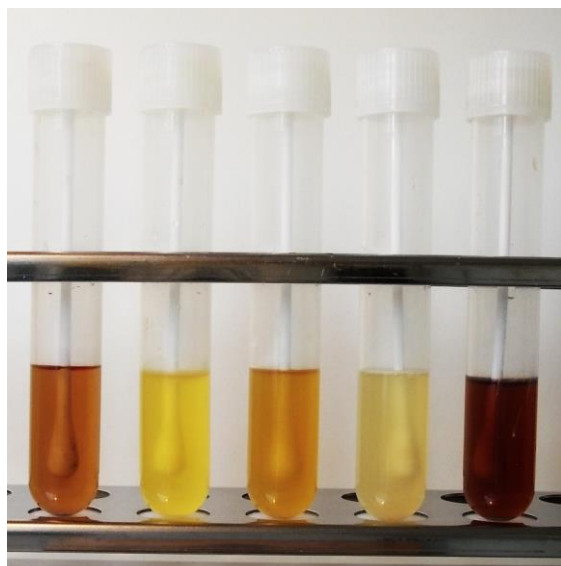
For *in vitro* use only.

Product description

PIKA FastOrange® B Ready to Use Tubes are incubation tubes prefilled with culture medium. They are easy to use and together with the swabs are directly applicable at the sampling point.

PIKA FastOrange® B Ready to Use is a culture medium which was developed especially for the hygiene control in the production process and its periphery. Besides the typical beer spoiling and acid producing bacteria, also hygiene indicator bacteria are detected. Their presence gives information about the overall hygiene status of the production equipment and its surroundings.

Growth of microorganisms is detected by turbidity and/or sediment. Acid producing bacteria as lactic or acetic acid bacteria are easily detected by a color change of the culture medium from violet to yellow.



Detectable microorganisms

| Microorganism | Growth conditions |
|--|-----------------------|
| Lactic acid bacteria (Lactobacillaceae) - Lactobacillus sp. - Pediococcus sp. | aerobic and anaerobic |
| Acetic acid bacteria (Acetobacteriaceae) - Acetobacter sp. - Gluconobacter sp. | aerobic |
| Gram negative beer spoiling bacteria, including - Pectinatus sp. - Megasphaera sp. | anaerobic |
| Beer spoiling yeast, including - Dekkera sp. (Brettanomyces) | aerobic and anaerobic |
| Indicator microorganisms | aerobic |

Growth of yeast is mostly suppressed.

Guidelines for use

- The procedure is depending on the surface to be sampled:
 - For wet surfaces, wipe the surface with the dry swab.
 - For dry surfaces, first dip swab into broth tube and then wipe the surface with the wet swab.
- Place the swab immediately into the broth tube and close the tube.

Important! For the detection of anaerobic microorganisms, place the swab always into enrichment medium at the sampling point. If you transport dry swabs to the laboratory, anaerobic microorganisms will die before being placed into the enrichment medium.

- Incubate swabs at $25 \pm 2^\circ\text{C}$ for 1-7 days.

Results of visual evaluation

| Target microorganism | Samples have to be regarded as positive if: |
|---|---|
| Acid producing bacteria including lactic and acetic acid bacteria | color change: violet-brown to yellow |
| Other microorganisms including indicator- and accompanying flora | turbidity and potential sediment formation no yellow color |

When routinely monitoring production areas, the percentage of positive swabs may be used as hygiene indicator:

- If >60% of the swabs show positive growth after 2 days incubation, there is a high risk for future spoilage of the product line
- Start cleaning immediately

General information

Store the product in the dark at room temperature (max. 25°C). Cooling below 25 °C is NOT necessary.

Due to manufacturing, slightly differences in the color of the culture medium may occur within lots. This is NOT influencing product quality.

Best before date for unopened product is given on the outer label. After opening we cannot guarantee for shelf life.

The product is not suitable for human or animal consumption. It must not be used for the direct propagation of microorganisms which later are used for food production or might get into contact with food.

FastOrange® B Products

| | |
|--|---------------|
| B Bouillon (12 x 240 mL) | Item #2036-1 |
| B Agar (12 x 170 mL) | Item #2036-2 |
| B Ready to Use Tubes 48-pack (48 x 5 mL) with 48 Swabs | Item #2036-3 |
| B Ready to Use Tubes 24-pack (24 x 5 mL) with 24 Swabs | Item #2036-14 |
| B Tubes 48-pack (48 x 5 mL) | Item #2036-10 |
| B Tubes 24-pack (24 x 5 mL) | Item #2036-15 |
| B Enrichment Bottles (15 x 50 mL) | Item #2036-11 |



PIKA Weihenstephan GmbH
Raiffeisenstrasse 31A
85276 Pfaffenhofen
GERMANY
Phone +49 (0) 8441 879 48 30
Fax +49 (0) 8441 879 48 31
www.pika-weihenstephan.com
order@pika-weihenstephan.de

Notes: The relevant antibiotics/fungicides contained in the medium fall short of critical values that require monitoring or declaration according to regulation (EG) 1907/2006 (REACH).
When properly applied, the medium may be disposed of through the normal sewage system.
It is strongly recommended to inactivate the live microorganisms in any enriched sample by heating to 121°C/250°F for 20 min (autoclave) to exclude a release of live microorganisms.
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