

PIKA FASTORANGE® BRETT AGAR

Agar for the detection of Dekkera sp.

Cat. No. 2037-2

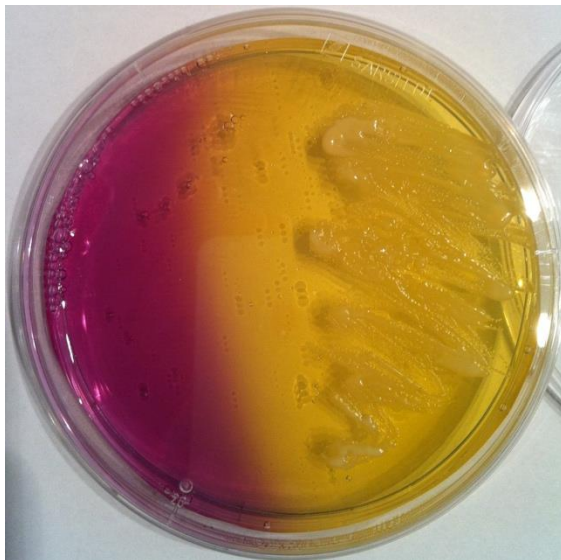
| Description | Amount | Storage |
|---|-------------|--------------------------------|
| Culture medium for the detection of Dekkera (Brettanomyces) sp. | 12 x 170 mL | Store dark at room temperature |

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® BRETT Agar is a culture medium which was developed especially for breweries and wineries to detect contaminations by Dekkera (Brettanomyces) yeasts during the production process and in products. Dekkera yeasts are easily detected by a color change of the culture medium from violet to yellow. For the detection of other yeasts and molds we recommend FastOrange® Yeast Agar (Cat. No. 2038-2).



Detectable yeasts

| Microorganism | Growth conditions |
|--|-----------------------|
| Dekkera (Brettanomyces) yeasts | aerobic and anaerobic |
| Other cycloheximide tolerant yeasts may grow on FastOrange® BRETT Agar, too, but usually these do not always produce a color change of medium to yellow. | aerobic and anaerobic |

Guidelines for use

Agar preparation

- Heat bottle in a 90°C water bath to melt the agar. Alternatively, heat uncapped bottle in a microwave on a low setting until agar has melted.

Important! Always remove cap before microwaving the bottle, otherwise it might explode!

- Prepare Agar:

| Sample type | Agar plates |
|---|---|
| Clear liquids and filtered samples | Agar plates: pour liquid agar into sterile, vented Petri dishes and let cool to solidify. |
| Yeast containing and turbid, non filterable liquids | Pour plates: store melted agar at 50°C until sample processing |

- Avoid long holding times for liquid agar, and avoid repeated melting of agar.

Important! Once melted, agar always should be completely used. Multiple heating or melting should be avoided as the agar will then lose its growth supporting characteristics.

Never autoclave or sterilize the agar.

Depending on the sample type, the following procedures are recommended:

A. Clear samples (e.g. beer, water, filtered samples) or small volumes of turbid samples

- Add sample on FastOrange® BRETT Agar plates:
 - Membrane filters: place filter direct on agar plate, take care not to trap air bubbles between filter and Agar surface.
 - Liquids: streak direct on Agar plate.
- Incubate enriched samples at 25 ± 2°C for 3-10 days.

B. Turbid / not filterable samples (e.g. yeast containing beer or fermenter samples)

1. Pour liquid sample into a sterile Petri dish. The sample volume should not exceed 20-30% of the total volume of Petri dish.
2. Add about the double volume of melted Fast Orange® BRETT Agar (kept liquid at 50°C) to the sample.
3. Mix sample and liquid Agar thoroughly by swirling the plate, then let plate cool down to solidify.
4. Incubate enriched samples at 25 ± 2°C for 3-10 days.

Results of visual evaluation

| Sample type | Samples have to be regarded as positive if: |
|------------------------------------|--|
| Clear liquids and filtered samples | <ul style="list-style-type: none">- Growth of colonies on the agar or membrane- For Dekkera yeast and other acid producing microorganisms: color change of agar from violet to yellow |
| Turbid, non-filterable liquids | <ul style="list-style-type: none">- Growth of colonies in or on the agar- For Dekkera yeast and other acid producing microorganisms: color change of agar from violet to yellow |

On the medium also growth of rare Chloramphenicol resistant bacteria may occur.

We recommend

Microscopic examination and/or PCR analysis to further characterize and identify yeasts.

General information

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

Due to manufacturing, slight differences in color of culture medium may occur between bottles. 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® BRETT Products

| | | |
|--------------------------|---------------|-------------|
| BRETT Bouillon | (12 x 240 mL) | SKU 2037-1 |
| BRETT Agar | (12 x 170 mL) | SKU 2037-2 |
| BRETT Tubes 48-pack | (48 x 5 mL) | SKU 2037-10 |
| BRETT Enrichment Bottles | (15 x 40 mL) | SKU 2037-11 |
| BRETT Tubes 24-pack | (48 x 5 mL) | SKU 2037-15 |

PCR Detection Kits Y

Different PCR Detection kits for Screening and identification of Dekkera (Brettanomyces) species are available. Depending on the real time PCR instrument, we offer different product lines containing different PCR tubes:

| | |
|-------------------|----------------------------|
| 4e® Detection Kit | 100 µL, clear, low profile |
| TM Detection Kit | 200 µL, frosted, skirted |

| Product line | Product name | SKU |
|------------------|---------------------------------------|---------|
| 4e®Detection Kit | Dekkera (Brettanomyces) sp. Screening | 2402-20 |
| 4e®Detection Kit | Dekkera (Brettanomyces) bruxellensis | 2402-54 |
| 4e®Detection Kit | Dekkera (Brettanomyces) anomala | 2402-55 |
| 4e®Detection Kit | Dekkera (Brettanomyces) naardenensis | 2402-56 |



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. Although this information was collected thoroughly, we cannot guarantee that any of the content is incomplete or incorrect. We do not take over any warranty for consequences which are resulting from improper handling or incorrect use of this product. Additionally, always comply with the applicable laws, regulations and directives of your country. PIKA Weihenstephan® and FastOrange® are trademarks registered in Germany and other countries.