PRY Broth, 2 mL
(6520)

Intended Use

Ampouled PRY Broth, 2 mL is used for the detection of preservative resistant yeasts in water and beverage testing using the membrane filtration method.

Product Summary and Explanation

Ampouled PRY Broth, 2 mL is a prepared, ready to use medium for membrane filtration testing. PRY (Preservative Resistant Yeasts) Broth is a selective medium with a low pH used for the detection of spoilage microorganisms in beverages and water testing. Traditionally, acidified media have been used to enumerate yeasts and molds in food.[1] Membrane filter techniques are applicable for beverages and similar foods.[1]

Physical Characteristics

Appearance of medium:	Clear to slightly hazy, light to medium amber
pH at 25ºC:	3.6 ± 0.2

Test Procedure

Preparation

1. Assemble the manifold or filtration flask that will supply the vacuum source, complete with rubber stopper.
2. Using a gentle twisting motion, secure the funnel adapter into the rubber stopper.
3. Using the same gentle twisting motion, secure the Neogen Filter onto the funnel adapter.

Filtration Procedure

1. Remove filtration cover and carefully pour the sample onto the filter.
2. Apply vacuum just long enough to pull the sample through the filter (if using a manifold, open only one valve at a time.)
3. Rinse the inside walls of the filter funnel with approximately 20 mL of sterile buffered solution. Apply vacuum just long enough to pull the solution through the filter, and turn off vacuum. Note: This step is optional if only water is being tested.
4. Briefly remove the filter and its funnel adapter from the rubber stopper to release any remaining vacuum pressure, and then re-secure into the stopper.
5. Add PRY Broth onto the top of the filter. When doing so, be careful not to touch the filter with the tip of the ampoule.
6. Very briefly apply vacuum so that the media does not pool on top of the filter, and is visible underneath the filter. (Note: The media has been soaked correctly into the filter if there is a small pocket of air around the bottom port. The filter should be moist, but not oversaturated or dry.)
7. Remove and appropriately discard the plastic funnel. Place the filtration system cover over the filter/base assembly converting the unit to a Petri dish for sample incubation.
8. Remove the filter from the funnel adapter, and place a plug on the open bottom port.
9. Place the filtration plate into the incubator inverted so that the cover is on the bottom, and incubate at 23 - 27ºC. Examine plates for growth and record after 3 – 7 days.
10. Dispose of test materials in accordance with all applicable local, state, and federal regulations.

Expected Cultural Response:

Sterile water was added to sterile filtration units and inoculated with the cultures listed below. The inoculum was filtered followed by the ampoulized PRY Broth and the filtration housing removed. Plates were incubated aerobically at 23 - 27 ºC and examined for growth after 3 – 7 days.

Microorganism	Approx. Inoculum (CFU)	Expected Results
Uninoculated Media	NA	No Growth
Zygosaccharomyces baillii ATCC® 58445	10 - 100	≥ 85% recovery

Results
Examine incubated membrane filters for the presence of spoilage organisms that appear off-white. The colonies may vary in size depending upon the length of incubation.

Storage
Store Ampouled PRY Broth, 2 mL at 2 - 8 ºC.

Expiration
Refer to expiration date printed on the front of the box container.

Limitations of the Procedure
1. Analyze sample as soon as possible after collection.

Packaging
PRY Broth, 2 mL	**Code No.**	**6520**	**Box of 50**
Neogen Filter "White"	**Code No.**	**6550**	**Box of 50**
Neogen Filter "Black"	**Code No.**	**6555**	**Box of 50**

References
1. **Kim and Feng**. 2001. Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.

Technical Information
Contact Neogen Corporation for Technical Service or questions involving Ampouled Media at (517)372-9200 or (800)-234-5333 or fax us at (517)372-2006.