



# PRY Broth, 2 mL

**Product Number: 6520**



## Physical Characteristics

**Appearance of Medium:**  
Clear to slightly hazy, light to medium amber

**pH at 25°C:** 3.6 ± 0.2

## Intended Use

Ampouled Preservative Resistant Yeasts (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

PRY Broth, 2 mL is a prepared, ready to use medium for membrane filtration testing. PRY 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.<sup>1</sup> Membrane filter techniques are applicable for beverages and similar foods.<sup>1</sup>

## 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 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 resecure 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 bottom port.
9. Place the filtration plate into the incubator inverted so that the cover is on the bottom, and incubate at 23–27°C. Examine plates for growth and record after 3 and up to 7 days (see note 2 under the limitations of the procedure).
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 ampouled PRY Broth and the filtration housing removed. Plates were incubated aerobically at 23–27 °C and examined for growth after 3 and up to 7 days (see note 2 under the limitations of the procedure).

Microorganisms	Approx . Inoculum (CFU)	Expected Results
Uninoculated Media	N/A	No Growth
<i>Zygosaccharomyces baillii</i> — 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°C.

**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.
2. To establish that no growth is recovered, filters can be held up to 7 days or as established by internal validation of the procedure. To establish that a test result is complete and the results can be recorded for a positive recovery, internally validate the optimum time frame for holding the filters by testing the recommended quality control organisms listed under expected cultural response. Species growth rates vary, so the optimum time frame may vary as well.

NEOGEN Items		
6540	PRY Broth, 2 mL	Box of 50
6555	NEOGEN Filter — Black	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.

