QUICK REFERENCE GUIDE

LIBRASORB® TX Test Kit

Filter capsules to remove of TCA, TBA and TeCA.
Equipment for test procedure at laboratory scale.



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DEPTH FILTRATION FOR VALUABLE LIQUIDS. SINCE 1938.

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1 Introduction

The purpose of the LIBRASORB® TX Test Kit is to have a tool to remove TCA, TBA and TeCA in wine and other beverages and to determine the data needed for a proper scale-up. This procedure is an efficient and at the same time gentle and selective method for unwanted substances.

2 Specifications

Material of the filter capsule	PA – Polyamide
Hose fittings	¼"
Max. temperature (continuous)	2.5 bar at 20 °C (36 psi at 68 °F)
Max. operating pressure	2.0 bar at 60 °C (29 psi at 140 °F)
Media diameter	60 mm (2")
Filter area	21 cm²
Sterilization	Autoclave 100 °C (212 °F) / 20 min. or chemically

3 Content and required infrastructure / Accessories



Figure 1 Content of LIBRASORB® TX Test Kit

Test Kit supplied by FILTROX:

1 1 × LIBRACAP® TX capsule
2 1 × Syringe

Required infrastructure and accessories

- Liquid (wine or another beverage contaminated by TCA, TBA and TeCA. It should be free of solid particles, eventually prefilter the product)
- Several graduated cylinder or glasses for the collection of filtrate fractions (each approx. 20 – 100 mL)

4 Test procedure

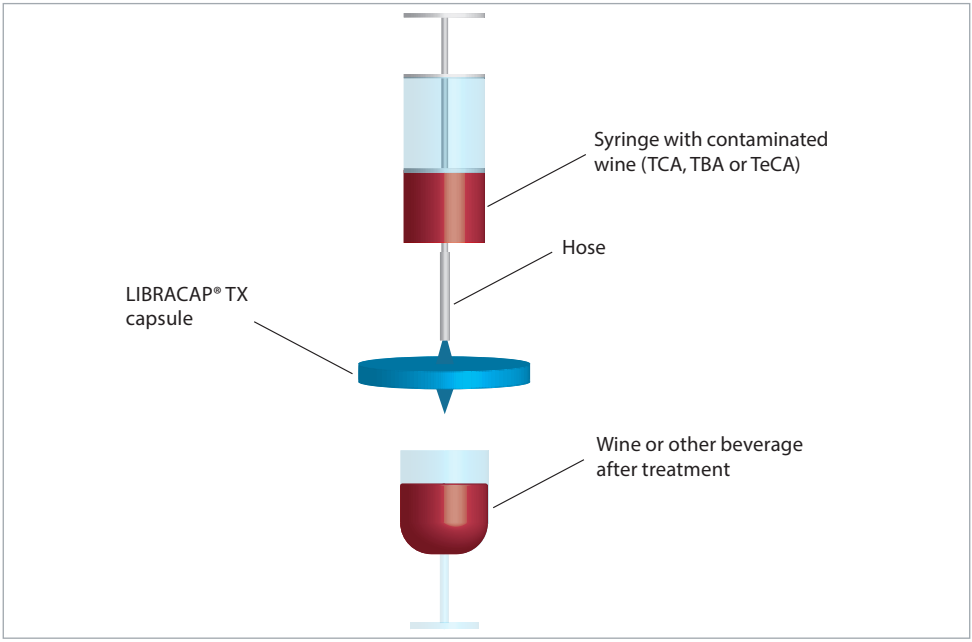


Figure 2 Set-up for test procedure with LIBRASORB® TX Test Kit

1. First, rinse the filter sheet inside the capsule. For this, fill the syringe with water and pre-flush the filter with 100 mL (3.4 oz) corresponding to 50 L/m^2. Rinse the filter with a flow rate of app. 18 mL/min.
2. Fill the syringe with the contaminated product to be filtered.
3. Let the wine or other beverage go through the capsule filter by pushing on the syringe.
4. Discard the first 20 mL of the remaining rinsing water.
5. As soon as the remaining water has been pushed out and discarded, start collecting the treated wine or other beverage in a graduated cylinder or other device.
6. The treatment flow rate should not exceed 12 mL/min. (0.4 – 0.5 oz/min.) corresponding to 350 L/m^2 × h. Practically, single drops should be seen coming out from the capsule.
7. Taste the treated beverage.

NOTE

- Avoid during the test procedure pressure fluctuations and air entry into the system.
- Do not treat too fast and try to respect the given flow rate! Single drops should come out from the capsule (no trickle).

5 Disposal of the material

Unused capsules can be disposed of as non-hazardous materials. Used capsules must be disposed of in accordance with the relevant legal regulations depending on the type of contamination.

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