

Bio Clear

clearing agent of terpene origin

IVD In-vitro diagnostic medical device **CE**

CND Code: W01030799

Catalog number	Unit size
06-1782D	2.5 l
06-1782Q	4 x 2.5 l

Packaging Primary container: white bottle in polyethylene terephthalate (PET). Useful capacity 2.5 liters. HDPE cap. Tamper evident cap.
The polyethyleneterephthalate is a thermoplastic polymer of the polyester family. PET is an optimal oxygen, carbon dioxide and other gasses barrier. This material has a high resistance to ultraviolet radiation and an inertia toward the mainly chemical agents (solvents: xylene, limonene, liquid paraffines, alcohols, acids, bases etc.). It is biologically inert. It constitutes a good water and humidity barrier. It shows a great hardness and mechanical resistance.
The bottle has an optimal grip. The absence of the handles reduces space for storage. The anti-dropping cap permits a precise and clean use.
Secondary container: carton box.

Wear, water, alcohol and solvents resistant PVC label. Scratchproof ink resistant to water and alcohol.

Expected aim Product for the preparation of cito-histological samples for optical microscopy.

Specifications

density	0.84 g/ml
peroxide index	< 20 mEq/kg
aldehydes	< 1%

Application Natural terpene extracted cold from the peel of citrus species, replaces the xylene in the procedures of the pathology laboratory. It is mixable with alcohols (ethanol, isopropanol, butanol), waxes and mounting media.

Principle Clarifying action: in the processing of histological sample Bio Clear acts as a reagent intermediate between the dehydrating solutions (alcoholic mixtures) and the paraffin according to its characteristics of miscibility with both agents.

Components

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(R)-P-Menta-1,8-diene	59-89-27-5	227-813-5	-
7-Methyl-3-methylene-1,6-octadiene	123-35-3	204-622-5	-
alfa-Pinene	7785-26-4	232-077-3	-

Functional properties Low toxicity
Low volatility: vapor pressure at 25 ° C = 2 mm Hg (xylene at 30 ° C = 10 mmHg)
Not highly flammable, flash point: 48 ° C (xylene: 25 ° C)

Warning and precaution The product must be used exclusively by specialized technical operators.
The product is classified as hazardous.
Read with attention the information written on the label (dangerous symbols, risks and safety phrases).
Consult always the safety data sheet where the information about the risks of the preparation, precautionary measures during use, first aid and disposal are available.
Do not use if primary packaging is damaged.

Storage Store the preparation at room temperature. Keep the containers tightly closed.

Stability After the first opening, the product is usable until the expiry date, if correctly stored. Validity: 2 years.

Disposal Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.

References

- Bancroft J.D., Gamble M. Theory and Practice of Histological Techniques. Churchill Livingstone, Sixth Edition 2008; 85-86

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