

B-Alcohol 100 for B-PRO450



Alcoholic mixture ethanol-isopropanol alcoholic grade 100°



In-vitro diagnostic medical device
EMDN : W01030799
IVD in **Classe A**, Reg. UE 2017/746

Catalog number	Unit size	BASIC UDI	UDI-DI
450006	5 l (for B-PRO 450 processor) – yellow cap	080341202W01030799BM	08034120278515

Packaging Primary container: PE tank, capacity 5 liters. Screwcap in PE with a seal. Watertight.

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

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

Application Alcoholic mixture formulated and optimized for use in the histological and cytological routine:

- processing
- dewaxing
- dehydration

It is comparable to absolute ethanol, so it can be inserted into existing protocols, without the addition of any changes.

Principle Dehydration process

Through the dehydration process the free water is removed from the tissue. The process is usually carried out using short-chain alcohols - typically ethanol - with highly polar functional groups that interact strongly and quickly with free water pulling it out from the tissue.

When this process takes place too quickly - as happens in the presence of ethanol - may occur some distortions which confer to tissue negative characteristics such as hardness, friability and 'shrinkage'. Replacing ethanol (2 carbon atoms linear chain) with isopropanol (3 carbon atoms branched chain) the extraction speed of water is balanced without negative effects.

Components	Components	CAS	CE	Index
	Ethanol	64-17-5	200-578-6	603-002-00-5
	Isopropanol	67-63-0	200-661-7	603-117-00-0

Functional properties The dehydrating power of B-Alcohol 100 mixture is the same of the ethanol but the hardening and shrinkage effects are reduced.

The greater lipophilia of the mixture favors the subsequent stages of clarification and infiltration. The samples obtained are well infiltrated and elastic to the cut.

Warning and precaution	The product is intended for professional laboratory use for healthcare professionals. Carefully read the information on the label (danger symbols, risk and safety phrases) and always consult the safety data sheet. Do not use if the primary container is damaged. In the event of a serious accident, we recommended that you immediately inform Bio-Optica Milano S.p.A and the competent authorities.
Storage	Store the preparation below 30°C. Keep the containers tightly closed.
Stability	After the first opening, the product is reusable until the expiry date, if correctly stored. Validity: 5 years.
Disposal	Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.

REVISION N°	REASON	REVISION DATE
001	First issue	01/10/2024