

SUCCINIC DEHYDROGENASE Stain
Lyophilized powder for histoenzymatic reaction
30 – 30114LY

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

CND Code: W01030708

working solution volume 10 ml
 procedure time 1 hour and 6 minutes
 storage temperature -20°C
 complementary equipment not requested

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

Application Cryostatic sections of 8 micron of human skeletal muscle.
 Valuation of the succinic dehydrogenase activity specifically in mitochondria.

Method

1) Put restoration solution (reagent B) into lyophilized powder (reagent A).	
2) Shake until dissolution.	
3) Incubate sections in rehydrated SDH solution at 37°C	45 minutes
4) Rinse in distilled water	3 changes
5) Fix in neutral formalin 10%	10 minutes
6) Place in 15% ethanol	10 minutes
7) Mount with aqueous mounting medium	

Results Positive SDH activity grey-blue

Components

Components	CAS	CE	Index
REAGENT A - Lyophilized powder			
Sodium succinate	298-93-1	206-069-5	-
TRIS amino methane	-	-	-
Hydrochloric acid	-	231-595-7	017-002-01-X
Cobalt chloride	7791-13-1	231-589-4	-
MTT (Thiazolyl Blue Tetrazolium bromide)	-	-	-
REAGENTE B - Restoration solution 1 x 10 ml			

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 -20°C. Keep the containers tightly closed.

Stability When making aliquots of the product and freezing them at -20°C, Bio-Optica does not respond for the loss of activity resulting from this practice.
 Product validity: 1 year.

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

References

- Nachlas MM, Tsou KC, De Souza E, Cheng CS, Seligman AM. Cytochemical demonstration of succinic dehydrogenase by the use of a new p-nitrophenyl substituted ditetrazole. J Histochem Cytochem. 1957;5:420-436.

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