

NON-SPECIFIC ESTERASE Stain 30 – 30122LY

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

CND Code: W01030708

working solution volume 10 ml
 procedure time 62 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.
 Histochemical demonstration of esterase in denervated fibers.

Method

- 1) It is recommend to let the reagents reach room temperature before starting the procedure.
- 2) The reagent D contains isopropanol. To avoid the complete evaporation of this solvent it is recommended not to open the vial until the moment of utilization (step 3 of the method).
- 3) Preparation of incubating solution:
 - transfer reagent D into the tube A. Shake 5-10 seconds.
 - add reagent B to reagent C. Shake 5-10 seconds and allow to stand for 1 minute.
 - put B+C solution into the tube A (A+D solution) and shake shortly.
- 4) Incubate sections at 37°C 60 minutes
- 5) Rinse in distilled water 3 changes
- 6) Dehydrate starting from ethanol 90% clear and mount

Results

Angular atrophic fibers beige
 Neuromuscular junction brown
 Lipofuscin brown
 Lysosomal activity brown

Components	Components	CAS	CE	Index
REAGENT A 1 x 9 ml				
Sodium phosphate dibasic		10028-24-7	231-448-7	-
REAGENT B 1 x 0.4 ml				
Pararosaniline-HCl solution		-	-	-
REAGENT C 1 x 0.4 ml				
Sodium nitrite solution		-	-	-
REAGENT D 1 x 0.25 ml				
α Naphthyl acetate stabilized solution		-	-	-

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

- Barka T, Anderson PJ. Histochemistry- theory, practice and bibliography. New York, NY: Harper & Row; 1965

Date of issue: May 2014