

Components

Components	CAS	CE	Index
A - REAGENT 1 1 x 30 ml			
Acetate buffer pH 4.3	-	-	-
B - REAGENT 2 1 x 30 ml			
Acetate buffer pH 4.7	-	-	-
C - REAGENT 3 1 x 30 ml			
glycin/NaOH buffer pH 10.4	-	-	-
D - REAGENT 4 3 x 15 mg			
Adenosine 5'-triphosphate lyophilized powder	-	-	-
E - REAGENT 5 3 x 30 ml			
Adenosine 5'-triphosphate lyophilized powder restoration solution	-	-	-
F - REAGENT 6 6 x 30 ml			
Cobalt chloride 2% solution	7791-13-1	231-589-4	-
G - REAGENT 7 3 x 30 ml			
Ammonium sulfide solution	12135-76-1	235-223-4	-

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 reagent 4 at -20°C and the reagents 1,2,3,5,6,7 at 2-8°C; you can store all the reagents at -20°C but equilibrate them to room temperature before use. 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

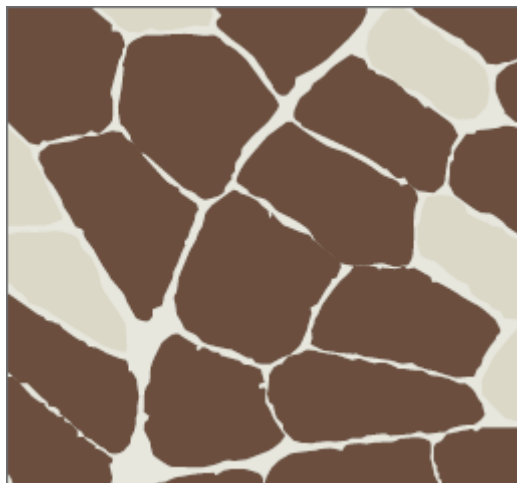
Hazardous preparation: observe all state and local environmental regulations regarding waste disposal.

References

- Brooke MH, Kaiser KK. Some comments on the histochemical characteristics of muscle adenosine triphosphatase. J Histochem Cytochem. 1969;17:431-432. Brooke MH, Kaiser KK. Three "myosin adenosine triphosphatase" systems: the nature of the pH lability and sulphhydryl dependence. J Histochem Cytochem. 1970;18:670-672. Padykula HA, Herman E. The specificity of the histochemical method for adenosine triphosphatase. J Histochem Cytochem. 1955;3: 170-195

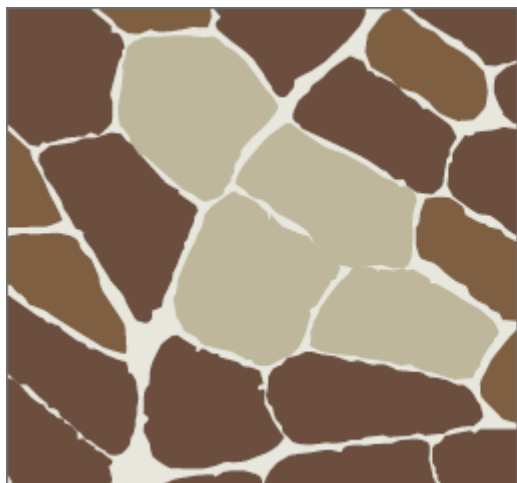
Date of issue: November 2013

Results



10,4 section - preincubation at pH 10,4

-  Type 1 fibers
-  Type 2A fibers
-  Type 2B fibers



4,6 section - preincubation at pH 4,6

-  Type 1 fibers
-  Type 2A fibers
-  Type 2B fibers



4,2 section - preincubation at pH 4,2 (ATPase reverse)

-  Type 1 fibers
-  Type 2A fibers
-  Type 2B fibers