

**CYTOCHROMO C OXIDASE Stain**  
**Lyophilized powder for histoenzymatic reaction**  
**30 – 30115LY**

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

**CND Code: W01030708**

working solution volume ..... 10 ml  
 procedure time ..... 61 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.  
 Activity valuation of Cytochrome C oxidase

**Method**

- 1) Put restoration solution (reagent B) into lyophilized powder (reagent A).
- 2) Shake until dissolution.
- 3) Incubate sections in rehydrated COX solution at 37°C 1 hour
- 4) Rinse in distilled water 3 changes
- 5) Dehydrate starting from alcohol 90%, clear and mount.

**Results** Cytochrome C Oxidase activity ..... Beige

**Components**

Components	CAS	CE	Index
<b>REAGENT A - Lyophilized powder</b>			
Diaminobenzidine 4HCl	868272-85-9	231-018-9	-
Cytochrome C	9007-43-6	-	-
Phosphate buffer 0.05M, pH 7	-	-	-
Sucrose	57-50-1	-	-
Catalase	9001-05-2	-	-
<b>REAGENT B - Restoration solution..... 1 x 10 ml</b>			

**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**

- Seligman et al., 1968. In: HISTOCHEMISTRY - THEORETICAL and APPLIED, A.G. Everson Pearse, Vol. 2, 3rd Edition; Williams & Wilkins, Baltimore, 1972.

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