



## HISTOPRIME<sup>®</sup>

**CatNo E102**

**Lot No** See Label  
**Storage** + 2 to + 8°C  
**KEEP DARK!**

**Expiration Date** See Label

## Peroxidase-Substrate-Kit AEC

### 3 Component

Substrate Kit for Peroxidase

#### Background

AEC is a commonly used chromogene for immunohistochemical procedures. Upon reaction with peroxidase AEC produces a red reaction product that is soluble in alcohol. Thus, aqueous counterstain (e.g. Hematoxylin LINARIS CatNo. EGH3411) and mounting medium (e.g. LinMount LINARIS CatNo E6004) must be used.

#### Kit Contents

Reagents are sufficient for staining at least 2000 tissue sections.

- 1 drop bottle reagent 1 (Buffer solution) 2 ml
- 1 drop bottle reagent 2 (AEC) 2 ml
- 1 drop bottle reagent 3 (H<sub>2</sub>O<sub>2</sub>) 2ml
- 1 drop bottle (empty) for the working dilution (G)

You will need: Aqua dest.

#### Application

**Preparing the working dilution (sufficient for approximately 100 sections)**

- 10 ml Aqua dest. in bottle G
- Adding of 2 drops Reagent 1, mix well
- Adding of 2 drops Reagent 2, mix well
- Adding of 2 drops Reagent 3, and mix well.

Working solution used directly!

**Important note:** The color of the reagent solutions may darken with the time. In general, this will have no effect on the quality or intensity of the staining.

Do not wash sections with sodium azid or other enzyme inhibitor before the enzyme reaction.

- Incubate tissue sections with the substrate until suitable staining develops.
- 20 – 30 min incubation at room temperature and protected from light provides a good staining intensity.
- Wash with Aqua dest.
- Mount slides with aqueous mounting medium (e.g. LinMount LINARIS CatNo. E6004).

#### Storage

Store the **AEC-Kit** at 4-8°C in the dark (refrigerator) The substrate solution may be prepared and used directly after taking it out of the fridge. Warming up to room temperature is not necessary.

#### Note

Little is known about the toxicity and carcinogenicity of the **AEC** components. Care should be exercised when using these reagents including gloves, eye protection, lab coats, and good laboratory procedures.

A material safety data sheet is available on request for the professional user.

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Manufacturer

**BIOZOL**  
FIT FOR SCIENCE

**BIOZOL**  
Diagnostica Vertrieb GmbH  
Leipziger Straße 4  
85386 Eching

Phone +49 (89) 3799 666 6  
Fax +49 (89) 3799 666 99  
E-Mail info@biozol.de  
www biozol.de

