

## **PowerChrome Black Chromogen Kit**

### **1. Product Description & Intended Use**

**Description:** Black chromogen kit including 50 mL of PowerChrome black buffer and 1 mL of PowerChrome black chromogen.

**Intended Use(s):** For use in immunohistochemistry (IHC) applications with the HRP enzyme. Tested in FFPE sections. Reported to work in frozen sections, but not tested.

### **2. Physical Appearance**

**Black Buffer:** Clear and transparent liquid. Liquid may have slight precipitate when cold.

**Black Chromogen:** Purple and transparent liquid. Chromogen should not be cloudy.

### **3. Storage & Handling**

**Storage Conditions:** Store at 4C.

**Shelf Life:** Refer to expiration date on label.

### **4. Application & Usage Instructions**

**Mixing:** Aliquot required volume of black buffer and allow to warm to room temperature. Combine at a 50X (buffer) : 1X (chromogen) ratio. For every 980  $\mu$ L of black buffer, add 20  $\mu$ L of black chromogen. If color is too strong, you may use a higher dilution such as 100X (buffer) : 1X (chromogen) dilution. Mixture is stable for 6 hours.

**Application:** Dispense PowerChrome black mixture over tissue and cover completely. This is generally 150-200  $\mu$ L for most tissue. Incubate for 3-6 minutes. Some applications may require shorter or longer incubation times. Observe stain for desired strength. Low risk for use on auto-stainer. Watch for adverse effects if using on auto-stainer. May be used in a multiplex stain.

**Mounting:** **The black chromogen is compatible with aqueous mounts, however, it may cause a color shift. For longer storage, use resin-based mountants.** To prevent chromogen fading for longer term storage, Power Chromogen Sealant, cat # PCS-015, is recommended.

**Disclaimer:** **RESEARCH USE ONLY. NOT FOR HUMAN OR ANIMAL THERAPEUTIC OR DIAGNOSTIC USE.**

*This kit is intended for research purposes only. It should be handled by trained laboratory personnel in accordance with established safety procedures. Refer to the Technical Data Sheet (TDS) for detailed information on handling and storage. This product is not intended for use in diagnostic procedures on humans or animals, nor for therapeutic applications.*

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