



HIGHDEF[®] yellow IHC chromogen (HRP)

Catalog #: ADI-950-170

**FOR RESEARCH USE ONLY.
NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

INTENDED USE

Substrate/chromogen in conjunction with horseradish peroxidase (HRP)-based immunostaining or *in situ* hybridization (ISH) systems. With at least 1-day working stability, this substrate/chromogen system can be used in any automation system as well as manual use.

INTRODUCTION

HIGHDEF® yellow IHC chromogen (HRP) is a substrate-chromogen system designed to be used for either immunohistochemistry (IHC) or ISH when utilizing horseradish peroxidase. HIGHDEF® yellow IHC chromogen (HRP) produces a distinct bright yellow that can easily be distinguished from other stains.

KIT CONTENTS

Description	30 mL
HIGHDEF® yellow IHC chromogen (HRP) Substrate Buffer	30 mL
HIGHDEF® yellow IHC chromogen (HRP) Chromogen	1 mL
Empty Mixing Bottle	1

STORAGE

Store at 2-8°C away from light. Do not use beyond the expiration date stated on the label.

WORKING SOLUTION

Aliquot 1 mL of HIGHDEF® yellow IHC chromogen (HRP) substrate Buffer in a mixing bottle. Add one drop (~20 µL) of concentrated HIGHDEF® yellow IHC chromogen (HRP) chromogen solution. Replace tip, mix, and allow solution to reach room temperature before using.

Note: *The HIGHDEF® yellow IHC chromogen (HRP) chromogen-substrate working solution is light sensitive and should be kept away from light as much as possible. Working solution is stable for up to 1 day, for optimal results prepare fresh reagent.*

PROCEDURE

Protocol	STAINING PROCEDURE:	INCUBATION TIMES
<p>Following peroxidase incubation, wash tissue sections with wash buffer, then follow protocol of choice:</p>		
<p>Pre-Mix Working Solution: (Automation)</p>	<p>HIGHDEF[®] yellow IHC chromogen (HRP) has a working solution stability of at least 1 day and can be loaded directly onto instrument as a single solution. Reduce exposure to light to achieve optimal staining. Working solution is applied directly to slide.</p>	<p>Working Solution: 10 - 20 min</p>
<p>On Board Mixing (Automation)</p>	<p>Instruments that have on-board mixing capability can load the chromogen and substrate-buffer components independently. Working solution is made mixing reagents 1:50 in on-board mixing station before application to slide.</p>	<p>Working Solution: 10 - 20 min</p>
<p>Manual Use</p>	<p>Mix substrate-chromogen and buffer in a 1:50 ratio and apply directly to slide.</p>	<p>Working Solution: 10 - 20 min</p>

COUNTERSTAIN

Counterstain with Hematoxylin or Nuclear Fast Red for good contrast. Wash with distilled or de-ionized H₂O followed by immuno wash buffer.

MOUNTING

Slides should be air dried (**do not dehydrate in alcohol or xylene**). After rinsing off counterstain in distilled or de-ionized H₂O, leave slides on benchtop for at least 20 minutes to air dry, then permanently mount (HIGHDEF[®] IHC mount, Prod. no. ADI-950-261).



Product Manual

USE FOR RESEARCH PURPOSES ONLY

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TRADEMARKS AND PATENTS

Several Enzo Life Sciences products and product applications are covered by US and foreign patents and patents pending.

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