

	IMP-PM 12.5 Acid Fuchsin-Hungarian Red	
	Document #: 7324	Page 1 of 2
	Revision #: 1	Issued Date: 04/09/2018
	Document Manager: Cheryl Lozen	Approved By: Jeffrey Nye

12.5 Acid Fuchsin (Hungarian Red)

12.5.1 Introduction

Bloody footwear and tire tread impressions can be enhanced for the purpose of aiding forensic examinations. This procedure requires the use of a positive blood control and negative control prior to application. Enhanced impressions and/or substrates may experience additional color changes over time. It is recommended that the impression be photographed both before and immediately after processing.

12.5.2 Formula

20 grams 5-Sulfosalicylic Acid

2 grams Acid Fuchsin

1 liter Distilled Water

12.5.3 Mixing

In a 2 liter beaker on a magnetic stirring device, dissolve the 5-Sulfosalicylic Acid and Acid Fuchsin in the distilled water. The solution will be tested on a positive control blood stain prior to use.

12.5.4 Application

The Acid Fuchsin solution may be applied by dipping the specimen to be enhanced in a container filled with the solution or by using a squirt bottle filled with the solution to saturate the stained area. Completely cover the target area and allow to develop for approximately one minute. The specimen(s) should be rinsed with tap water and allowed to air dry.

Note: Prior to application, a small area of the background of the object or surface being enhanced should be stained with the solution. If the background develops a significant color, the Acid Fuchsin solution may not be appropriate for enhancement of this item.

12.5.5 Reaction

Successful staining of the impression will result in a deep magenta colored impression.

	IMP-PM 12.5 Acid Fuchsin-Hungarian Red	
	<i>Document #: 7324</i>	<i>Page 2 of 2</i>
	<i>Revision #: 1</i>	<i>Issued Date: 04/09/2018</i>
	<i>Document Manager: Cheryl Lozen</i>	<i>Approved By: Jeffrey Nye</i>

12.5.6 Storage

The Acid Fuchsin solution can be stored in clear or dark bottles indefinitely.

Reference

SWGTHREAD Guide for the Chemical Enhancement of Bloody Footwear and Tire Impression Evidence, 2008