

Reagent	reacts with	Type of substrate	resultant colour
IODINE FUMING	Physical process - iodine fumes adhere to sebaceous components of latent print residue.	Porous or Non-Porous	Yellow to Brownish-coloured prints.
DFO	Chemical reaction with Amino Acids	Porous	Pink or Fluorescent Yellow
NINHYDRIN	Chemical reaction with Amino Acids	Porous	Magenta to Deep Purple
PHYSICAL DEVELOPER	Chemical reaction with lipids, fats, oils and waxes in latent print residue.	Porous, including previously wet porous items.	Grey
SILVER NITRATE	Chemical reaction with salts in latent print residue.	Porous	Dark brown or black.
CYANOACRYLATE FUMING	Chemical reaction. Polymerization of latent print residue.	Non-porous	White. Enhance with fluorescent dyes & view under UV, laser or FLS.
POWDERS Regular, metallic, luminescent & thermoplastic	Physical process - powder adheres to moisture and lipid components.	Non-porous and porous.	Choose to create the best contrast with substrate.
SMALL PARTICLE REAGENT	Physical process - adheres to sebaceous components of latent print residue.	Wet, non-porous. Can be used post-CA	Grey
VACUUM METAL DEPOSITION	Deposition of thin metal films onto fatty components of latent print residue.	Non-porous, plastic and older items.	Grey
SUDAN BLACK	A dye which stains fatty components of sebaceous sweat.	Greasy, non-porous.	Blue-Black

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AMIDO BLACK	Chemical reaction with protein in blood.	Bloodstained specimens. Effective on plastics & cotton sheets.	Blue - black
COOMASSIE BLUE	Chemical reaction with protein in blood.	Bloodstained specimens.	Navy blue
AQUEOUS LEUCOCRYSTAL VIOLET	Chemical reaction with blood.	Bloodstained specimens.	Purple
HUNGARIAN RED	Chemical reaction with protein in blood.	Bloodstained specimens.	Red
CROWLES DOUBLE STAIN	Chemical reaction with protein in blood.	Bloodstained, non-porous items.	Blue
LEUCOMALACHITE GREEN	Heme-reacting chemical reagent.	Bloodstained specimens.	Dark Green
LUMINOL	Chemical reaction with hematin.	Presumptive test for blood.	Luminescence - low intensity & short duration. View with FLS.
GENTIAN VIOLET	Reacts with epithelial skin cells and sebaceous components.	Light-coloured adhesive tape	Purple
STICKY SIDE POWDER	Physical process. Mixture fills in ridge impressions.	Light-coloured adhesive tape	Black
TITANIUM DIOXIDE	Chemical reaction	Use on plastic, electrical & duct tape (both sides).	White