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| Reagent Name | Reagent Composition |
| Davis’ Reagent | CuCl2 (cupric chloride) + HCl (hydrochloric acid) in H20 |
| Turner’s Reagent | CuCl2 (cupric chloride) + HCl (hydrochloric acid) + Ethanol in H20 |
| Fry’s Reagent | CuCl2 (cupric chloride) + HCl (hydrochloric acid) in H20 |

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| Houston Forensic Science Center | |
| Magnetic Media | Non-Magnetic Media |
| Davis’ Reagent | Ferric chloride (FeCl3) |
| Turner’s Reagent | Acidic ferric chloride (hydrochloric acid + ferric chloride) |
| Fry’s Reagent | Sodium hydroxide (NaOH) |
| Nitric acid (HNO3) | Phosphoric acid + nitric acid (H3PO4 + HNO3) |

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| Texas DPS Crime Laboratory Service | | | | | | |
| Ferrous Media | Non-Ferrous Media | Steel & Iron | Stainless Steel | Aluminum | Copper & Nickel | Brass |
| Davis’ Reagent | Ferric chloride | Turner’s Reagent | Acidic ferric chloride | Acidic ferric chloride | Nitric acid | Nitric acid |
| Turner’s Reagent | Acidic ferric chloride | Fry’s Reagent | --- | Sodium hydroxide | --- | Acidic ferric chloride |
| Fry’s Reagent | Sodium hydroxide | Ferric chloride | --- | Ferric chloride | --- | --- |
| Nitric acid | Phosphoric acid + nitric acid | Acidic ferric chloride | --- | --- | --- | --- |