

Materials List for:

# Rapid High-throughput Species Identification of Botanical Material Using Direct Analysis in Real Time High Resolution Mass Spectrometry

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URL: <https://www.jove.com/video/54197>

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## Materials

| Name                                            | Company                                                                                                                               | Catalog Number       | Comments             |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|
| AccuTOF Mass Spectrometer                       | JEOL USA, Inc.                                                                                                                        |                      |                      |
| DART-SVP Ion Source                             | IonSense, Inc.                                                                                                                        | DART-SVP             |                      |
| Linear Rail System                              | IonSense, Inc.                                                                                                                        | HW-10029             |                      |
| Hole puncher (6 mm)                             | Swingline                                                                                                                             | A7074005             |                      |
| One-Pint Compact Ultrasonic Cleaner             | Cole-Palmer                                                                                                                           | EQ-08849-00          |                      |
| 1.5 ml Eppendorf Microcentrifuge tubes          | Fisher Scientific                                                                                                                     | 02-682-550           |                      |
| AccuSpin Micro 17R Centrifuge                   | Fisher Scientific                                                                                                                     | 13-100676            |                      |
| #9 Stainless Steel Razor blade                  | Stanley                                                                                                                               | 11-515               |                      |
| Dip-it Tip Holder                               | IonSense, Inc.                                                                                                                        | SCT-70003            |                      |
| Dip-it Tips                                     | IonSense, Inc.                                                                                                                        | DPT-110              |                      |
| Melting Point Capillary                         | Krackeler Scientific                                                                                                                  | 1-9530-3             |                      |
| Polyethylene glycol (600)                       | Sigma Aldrich                                                                                                                         | 81180                |                      |
| Rifat Kratom Live Plant                         | World Seed Supply Kratom Collection                                                                                                   | LIVEKRATOMPLANT      |                      |
| Bali Kratom Dried Leaf                          | The Kratom King                                                                                                                       | OZKRAPCOM            |                      |
| Bali Kratom Powder                              | The Kratom King                                                                                                                       | OZKRAPCOMPOW         |                      |
| <i>Datura stramonium</i> seeds                  | Horizon Herbs LLC                                                                                                                     | PDATUJ               |                      |
| <i>Datura innoxia</i> seeds                     | Horizon Herbs LLC                                                                                                                     | PDATUM               |                      |
| <i>Datura ferox</i> seeds                       | Georgia Vines                                                                                                                         | 255/737              |                      |
| Ethanol, anhydrous                              | Krackeler Scientific                                                                                                                  | 1328-E402-4L         |                      |
| Mass Mountaineer Spectral Analysis Software     | mass-spec-software.com                                                                                                                | MM-20030-PCA-DVD     |                      |
| TSSPro3 Data Processing/Data Reduction Software | Shrader Labs                                                                                                                          |                      |                      |
| Cluster 3.0                                     | <a href="http://bonsai.hgc.jp/~mdehoon/software/cluster/software.htm">http://bonsai.hgc.jp/~mdehoon/software/cluster/software.htm</a> | Open Source Software |                      |
| Java Treeview                                   | <a href="http://jtreeview.sourceforge.net/">http://jtreeview.sourceforge.net/</a>                                                     |                      | Open Source Software |