

Materials List for:

# A Fast Silver Staining Protocol Enabling Simple and Efficient Detection of SSR Markers using a Non-denaturing Polyacrylamide Gel

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URL: <https://www.jove.com/video/57192>

DOI: [doi:10.3791/57192](https://doi.org/10.3791/57192)

## Materials

| Name   | Company   | Catalog Number | Comments |
|--|---|----------------|----------|
| PCR master mix (Green Taq Mix)                                   | Vazyme Biotech Co. Ltd, China                     | #P131-03       |          |
| 50-2000 bp DNA Ladder  | Bio-Rad, USA                                      | #170-8200      |          |
| DL500 DNA marker   | Takara Bio Inc., Japan                            | #3590A         |          |
| Tris base  | Sangon Biotech Shanghai, China                    | #77-86-1       |          |
| Boric acid   | Sangon Biotech Shanghai, China                    | #10043-35-3    |          |
| EDTA-Na <sub>2</sub>   | Guangzhou Chemical Reagent Factory, China         | #6381-92-6     |          |
| Acrylamide   | Sangon Biotech Shanghai, China                    | #79-06-1       |          |
| N,N'-methylene-bis-acrylamide                                    | Sangon Biotech Shanghai, China                    | #110-26-9      |          |
| N,N,N',N'-Tetramethylethylenediamine                             | Sangon Biotech Shanghai, China                    | #110-18-9      |          |
| Ammonium persulfate  | Guangzhou Chemical Reagent Factory, China         | #7727-54-0     |          |
| Bind-silane  | Solarbio Beijing, China                           | #B8150         |          |
| AgNO <sub>3</sub>  | Sinopharm Chemical Reagent Beijing Co.,Ltd, China | #7761-88-8     |          |
| Formaldehyde   | Tianjin DaMao Chemical Reagent Factory, China     | #50-00-0       |          |
| NaOH   | Guangzhou Chemical Reagent Factory, China         | #1310-73-2     |          |
| Acetic acid  | Guangzhou Chemical Reagent Factory, China         | #64-19-7       |          |
| Na <sub>2</sub> CO <sub>3</sub>                                  | Tianjin DaMao Chemical Reagent Factory, China     | #497-19-8      |          |
| Ethanol  | Guangzhou Chemical Reagent Factory, China         | #64-17-5       |          |
| HNO <sub>3</sub>   | Guangzhou Chemical Reagent Factory, China         | #7697-37-2     |          |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ·5H <sub>2</sub> O | Sinopharm Chemical Reagent Beijing Co.,Ltd, China | #10102-17-7    |          |
| Eriochrome black T(EBT)  | Tianjin DaMao Chemical Reagent Factory, China     | #1787-61-7     |          |
| Plastic tray   | Shanghai Yi Chen Plastic Co., Ltd, China          | -              |          |
| TS-1 Shaker  | Qilinbeter JiangSu, China                         | -              |          |
| BenQ M800 Scanner  | BenQ, China                                       | -              |          |

|   |   |   |  |
|---|---|---|--|
| DYY-6C Power supply                           | Beijing Liuyi Instrument Factory, China       | - |  |
| High throughput vertical gel systems, JY-SCZF | Beijing Tunyi Electrophoresis Co., Ltd, China | - |  |