

Materials List for:

Processing the Loblolly Pine PtGen2 cDNA Microarray

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Materials

| Name | Type | Company | Catalog Number | Comments |
|-------------------------------------|-----------|-----------------|----------------|--|
| Pre-hybridization Buffer | Buffer | | | 5X SSC, 0.1% SDS, 1% BSA |
| Hybridization Buffer | Buffer | | | 30% formamide, 5X SSC, 5X Denhardt's, 1% PolyA RNA (Invitrogen, POLYA.GF), 0.1% SDS |
| Wash Solution #1 | Buffer | | | 1X SSC, 0.2% SDS, preheat to 43°C |
| Wash Solution #2 | Buffer | | | 0.1X SSC, 0.2% SDS |
| Wash Solution #3 | Buffer | | | 0.1X SSC |
| Isopropyl Alcohol | Reagent | Sigma-Aldrich | 34959-2.5L | |
| 50mL Conical Tubes | Other | Falcon BD | 352070 | |
| 15mL Conical Tubes | Other | Falcon BD | 352196 | Use this or a similar cap placed at the bottom of each 50mL conical tube during centrifugation |
| Coplin Jar | | Wheaton | 900520 | |
| Staining Dish & Rack | Other | Wheaton | 900200 | |
| Albumin from bovine serum (BSA) | Other | Sigma-Aldrich | A-9418 | |
| PolyA RNA | | Invitrogen | POLYA.GF | |
| SuperScript™ Indirect cDNA Labeling | Kit | Invitrogen | L1014-02 | |
| Turbo DNase | Kit | Ambion | AM1907 | |
| System | | | | |
| Cy-5 Dye | Reagent | GE Healthcare | PA25001 | |
| Cy-3 Dye | Reagent | GE Healthcare | PA23001 | |
| LifterSlips™ | Other | Erie Scientific | 25X601 | |
| HybChambers | Equipment | GeneMachines | JHYB200003 | |