

**Materials List for:**

# Efficient Chromatin Immunoprecipitation using Limiting Amounts of Biomass

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## Materials

| Name                                                                                               | Company       | Catalog Number | Comments                                                     |
|----------------------------------------------------------------------------------------------------|---------------|----------------|--------------------------------------------------------------|
| Formaldehyde                                                                                       | Sigma         | F-8775         | Store at RT                                                  |
| Phosphate Buffered Saline                                                                          | Hyclone       | SH30256.01     | Store at 4 °C                                                |
| Protease Inhibitor tablets                                                                         | Roche         | 04693116001    | Store at 4 °C                                                |
| Protein G magnetic beads                                                                           | Active Motif  | 101945         | Store at 4 °C                                                |
| RNase A (20 mg/ml)                                                                                 | EMD Millipore | 556746         | Store at -20 °C                                              |
| Proteinase K (20 mg/ml)                                                                            | Roche         | 03115879001    | Dissolve in 50 mM Tris-HCl, 10 mM CaCl <sub>2</sub> , pH 8.0 |
| Platinum Taq DNA Polymerase                                                                        | Invitrogen    | 10966-034      | Store at -20 °C                                              |
| SYBR Green I                                                                                       | Invitrogen    | S7567          | Store at -20 °C                                              |
| 1 M Glycine                                                                                        |               |                | Store at RT                                                  |
| Cell lysis buffer (5 mM Pipes, pH 8.0; 85 mM KCl; 0.5% NP-40)                                      |               |                | Store at 4 °C                                                |
| Nuclear lysis buffer (50 mM Tris, pH 8.1; 10 mM EDTA; 1% SDS)                                      |               |                | Store at RT                                                  |
| ChIP dilution buffer (0.01% SDS; 1.1% Triton X-100; 1.2 mM EDTA; 16.7 mM Tris pH 8.1; 190 mM NaCl) |               |                | Store at 4 °C                                                |
| Low salt wash buffer (0.1% SDS; 1% Triton X-100; 2 mM EDTA; 20 mM Tris pH 8.1; 150 mM NaCl)        |               |                | Store at 4 °C                                                |
| High salt wash buffer (0.1% SDS; 1% Triton X-100; 2 mM EDTA; 20 mM Tris pH 8.1; 600 mM NaCl)       |               |                | Store at 4 °C                                                |
| LiCl wash buffer (0.25 M LiCl; 1% NP-40; 1% Sodium Deoxycholate, 1 mM EDTA; 10 mM Tris pH 8.0)     |               |                | Store at 4 °C                                                |
| TE buffer (10 mM Tris, pH 7.4, 1 mM EDTA)                                                          |               |                | Store at 4 °C                                                |
| Elution buffer (1% SDS; 0.1 M NaHCO <sub>3</sub> )                                                 |               |                | Prepare fresh                                                |
| 5 M NaCl                                                                                           |               |                | Store at RT                                                  |
| 0.5 M EDTA                                                                                         |               |                | Store at RT                                                  |
| 1 M Tris-HCl, pH 6.5                                                                               |               |                | Store at RT                                                  |

### Table of Specific Reagents

|                               |                       |               |  |
|-------------------------------|-----------------------|---------------|--|
| Clay Adams Brand Nutator      | Becton Dickinson      | Model: 421105 |  |
| Magnetic Stand                | Promega               | Z5342         |  |
| Qiaquick PCR Purification Kit | Qiagen                | 28106         |  |
| Masonix Sonicator 3000        | QSonica               | Model: S3000  |  |
| UV Spectrophotometer          | NanoDrop Technologies | ND-1000       |  |

|                                   |                 |                      |  |
|-----------------------------------|-----------------|----------------------|--|
| Heating Block                     | VWR             | 13259-030            |  |
| Rotator                           | VWR             | 80085-692            |  |
| Refrigerated bench top centrifuge | Beckman Coulter | Model: Allegra X-12R |  |
| Microcentrifuge                   | Eppendorf       | 5415 D               |  |
| <b>Table of Equipment</b>         |                 |                      |  |