Kleargene XL

Quick guide: Blood DNA extraction kit

Cell lysis & DNA binding
- 30 mL buffer B1 + 10 mL whole blood, vortex
- Incubate for 5 min at room temperature, vortex
- Centrifuge (3,000 *x* g / 2 min), discard supernatant

1st buffer C1 wash
- + 30 mL buffer C1, vortex
- Centrifuge (3,000 *x* g / 2 min), discard supernatant

2nd buffer C1 wash
- + 30 mL buffer C1, vortex
- Centrifuge (3,000 *x* g / 2 min), discard supernatant

1st buffer A1 wash
- + 30 mL buffer A1, vortex
- Centrifuge (3,000 *x* g / 2 min), discard supernatant

2nd buffer A1 wash
- + 30 mL buffer A1, vortex
- Centrifuge (3,000 *x* g / 2 min), discard supernatant

Buffer W1 wash
- + 30 mL buffer W1, vortex
- Centrifuge (3,000 *x* g / 2 min), discard supernatant

Ethanol wash
- + 30 mL 100% ethanol, vortex
- Centrifuge (3,000 *x* g / 2 min), discard supernatant

Silica drying
- Invert open tube over tissue paper for 5 min
- Dry open tube in 55°C fan oven for 30 min

DNA elution
- Add appropriate volume of pre-warmed buffer (@ 55°C) E1, vortex
- Incubate tube in 55°C fan oven 15 min, vortex
- Centrifuge (3,000 *x* g / 5 min @ 4°C), aspirate off DNA solution

This protocol can be scaled to the appropriate volume of blood by reducing/increasing the volumes of wash buffers used in proportion; this protocol assumes that 10 mL of blood is to be extracted.

Need help, please contact our technical support team on
+44 (0)1992 470 757 **or email us at** tech.support@lgcgenomics.com

www.lgcgenomics.com

Germany • United Kingdom • United States

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