

illustra™ ExoProStar™ 1-Step

illustra ExoProStar 1-Step is optimized to purify PCR and sequencing set up reactions quickly, efficiently and reliably.

illustra ExoProStar 1-Step contains a mix of illustra Alkaline Phosphatase and Exonuclease I, formulated to work together to remove unincorporated primers and nucleotides from amplification reactions in preparation for sequencing, cloning, genotyping, or further DNA modification reactions.

- Enzymes optimized to work together for high efficiency removal of unincorporated primers and nucleotides
- Enzymes provided in a single tube, just one simple pipetting step is required to prepare the reaction
- Fast 30 min protocol
- Scalable for different reaction sizes
- No loss of PCR product
- Easy to automate
- Complete heat inactivation of both enzymes within 15 min

illustra ExoProStar 1-Step builds on our long history and expertise in providing DNA cleanup products and expands on our original patents for enzymatic sample cleanup using Exonuclease I and Alkaline Phosphatase. With illustra ExoProStar 1-Step we have improved on existing products to give you enhanced PCR and sequence reaction cleanup.

Rapid, simple protocol

Setting up cleanup reactions with illustra ExoProStar 1-Step requires only a single pipetting step, thanks to the premixed enzyme formulation.

Recommended protocol

1. Remove the illustra ExoProStar 1-Step from the freezer and keep on ice while preparing the reaction.
2. Take a 5 μ l aliquot of the completed PCR mix.
3. Add 2 μ l of illustra ExoProStar 1-Step to the reaction mix.
4. Incubate at 37°C for 15 min.
5. Incubate at 80°C for 15 min to inactivate the enzymes.

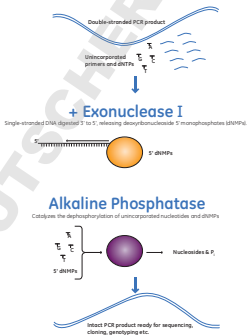


Fig 1. Schematic representation of the PCR cleanup process using illustra ExoProStar 1-Step.

The PCR product is now ready for use in downstream reactions and processes. If a larger volume of PCR product is required, simply increase the volume of illustra ExoProStar 1-Step added in proportion with the volume of PCR product.

Kit components and storage

The *illustra* ExoProStar 1-Step kit contains one tube of ready mixed *illustra* Exonuclease I and Alkaline Phosphatase enzymes. The kit is supplied on dry ice and should be stored at -20°C. The product can be sub-aliquoted if required for storage convenience and should be maintained on ice during reaction set up.

Ordering information

illustra ExoProStar 1-Step Enzymatic PCR and Sequence Reaction Cleanup Kit

Pack size	Code number
20 reactions	US77701
100 reactions	US77702
500 reactions	US77705
2000 reactions	US77720
5000 reactions	US77750

Related products

Amplification

Product	Quantity	Code number
dNTP set (100 mM each A,C,G,T)	4 x 100 µmol	28-4065-52
<i>illustra</i> Ready-To-Go™ RT-PCR Beads (0.2 ml hinged tube with cap)	96 reactions	27-9259-01
<i>illustra</i> PuReTaq™ Ready-To-Go PCR Beads (0.2 ml hinged tube with cap)	96 reactions	27-9559-01
<i>illustra</i> Hot Start Mix RTG™ (0.2 ml tubes, 12 x 8 strip wells)	96 reactions	28-9006-53
Taq DNA Polymerase (cloned)	4 x 250 units	27-0798-05

DNA labeling

Cy™5 dUTP	250 nmol	PA55032
Cy3 dUTP	250 nmol	PA53032
Cy5 dCTP	250 nmol	PA55031
Cy3 dCTP	250 nmol	PA53031
CyDye™ Post-Labeling Reactive Dye Pack	12 x Cy3 12 x Cy5	RPN5661

DNA purification

<i>illustra</i> blood genomicPrep Mini Spin Kit	50	28-9042-64
<i>illustra</i> tissue and cells genomicPrep Mini Spin Kit	50	28-9042-75
<i>illustra</i> bacteria genomicPrep Mini Spin Kit	50	28-9042-58

DNA cleanup

<i>illustra</i> GFX™ PCR DNA and Gel Band Purification Kit	100 purifications	28-9034-70
<i>illustra</i> GFX 96 PCR Purification Kit	10 x 96 well plates	28-9034-45
<i>illustra</i> MicroSpin™ S-400 HR columns	50	27-5140-01
<i>illustra</i> MicroSpin S-300 HR columns	50	27-5130-01

Enzymes

<i>illustra</i> Shrimp Alkaline Phosphatase	500 units	E70092Y
<i>illustra</i> Exonuclease I	2500 units	E70073Z

For local office contact information, visit
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