



Blood direct 2x PCR Mastermix

Data sheet

Order No. BS91.222.0250 250 reactions x 20 µl
Order No. BS91.222.1250 1250 reactions x 20 µl

(For research and in vitro applications only)

Batch No.:

Best before:

Appearance:

Colour:

Bio&SELL Lohweg 27 90537 Feucht bei Nürnberg	E-Mail: info@bio-sell.de Internet: www.bio-sell.de	Fon : +49 (0) 9128 – 724 32 32 Fax : +49 (0) 9128 – 724 32 33
---	--	--



Blood direct 2x PCR Mastermix

Description

Bio&SELL Blood direct PCR Mastermix is designed for PCR amplification directly from whole blood without the need of prior DNA purification processes via columns – fast, easy, ready to use.

Application

- Allele-specific PCR
- PCR for genotyping
- PCR for selection of genetically modified organisms (GMO)
- Other various PCR applications

The Mastermix contains all reagents required for direct PCR (except template and primer) in a premixed 2x concentrated ready-to-use solution. The robust enzyme in combination with a specially optimized unique buffer system resists various PCR inhibitors of blood samples.

Scope of delivery:

- **Blood direct PCR-Mastermix (● red cap)**
2x conc. mastermix containing polymerase, dNTPs, MgCl₂, reaction buffer and stabilizers
- **PCR-grade water (○ white cap)**

Bio&SELL Lohweg 27 90537 Feucht bei Nürnberg	E-Mail: info@bio-sell.de Internet: www.bio-sell.de	Fon : +49 (0) 9128 – 724 32 32 Fax : +49 (0) 9128 – 724 32 33
---	--	--



Blood direct 2x PCR Mastermix

Sample Preparation

Add directly 1-3 μ l of sample (whole blood) to PCR reaction mix without any pre-treatment.

Heparin, EDTA or citrate treated whole blood is suitable for this kit.

Bio&SELL Lohweg 27 90537 Feucht bei Nürnberg	E-Mail: info@bio-sell.de Internet: www.bio-sell.de	Fon : +49 (0) 9128 – 724 32 32 Fax : +49 (0) 9128 – 724 32 33
---	--	--



Blood direct 2x PCR Mastermix

Protocol

Recommended PCR assay

The preparation of a pre-mix including Blood direct PCR Mastermix, primers and water is recommended to minimize pipetting errors. Dispense the pre-mix or the single components into PCR tubes or wells of a PCR plate.

Component	Cap	Stock conc.	Final conc.	20 µl assay	50 µl assay
Blood direct PCR Mastermix	red	2x	1x	10 µl	25 µl
Forward Primer		10 µM	400 nM	0.8 µl	2 µl
Reverse Primer		10 µM	400 nM	0.8 µl	2 µl
Blood sample				1-2 µl	1-3 µl
PCR-grade Water	white			fill up to 20 µl	fill up to 50 µl

Bio&SELL Lohweg 27 90537 Feucht bei Nürnberg	E-Mail: info@bio-sell.de Internet: www.bio-sell.de	Fon : +49 (0) 9128 – 724 32 32 Fax : +49 (0) 9128 – 724 32 33
---	--	--



Blood direct 2x PCR Mastermix

Recommended cycling conditions

Before cycling, vortex PCR tubes or plates to assure homogeneity and centrifuge briefly to remove possible bubbles.

	temperature	time	cycles
Initial denaturation	95°C	5 min	1x
Denaturation	95°C	20 sec	35-40x
Annealing	45-68°C	30 sec	
Elongation	72°C	30 sec - 4 min	
Final elongation	72°C	2 min	1x

Bio&SELL Lohweg 27 90537 Feucht bei Nürnberg	E-Mail: info@bio-sell.de Internet: www.bio-sell.de	Fon : +49 (0) 9128 – 724 32 32 Fax : +49 (0) 9128 – 724 32 33
---	--	--



Blood direct 2x PCR Mastermix

Technical Data

Shipment: at room temperature

Storage: at -20°C (avoid frequent thawing and freezing)
Quality guaranteed for 12 months

Safety warnings and precautions: This product and its components should be handled only by persons trained in laboratory techniques. It is advisable that suitable protective clothing, such as laboratory overalls, safety glasses and gloves, are worn. Care should be taken to avoid contact with skin or eyes. In case of contact wash immediately with water.

Note: Some applications in which this product is used may require a license which is not provided by the purchase of this product. Users should obtain the license if required.

Notes

Bio&SELL Lohweg 27 90537 Feucht bei Nürnberg	E-Mail: info@bio-sell.de Internet: www.bio-sell.de	Fon : +49 (0) 9128 – 724 32 32 Fax : +49 (0) 9128 – 724 32 33
---	--	--



Blood direct 2x PCR Mastermix

Further products which will interest you:

Bio&SELL

Universal Agarose

Bio&SELL Universal Agarose is a cost-saving standard agarose ideal for analytical and preparative separation of nucleic acids in the range of 0,05 -50 kbp.

500g for only 189 EUR plus MwSt.

Bio&SELL

Low Melt Agarose

Bio&SELL Low Melt Agarose is a high-quality agarose with a relatively low melting point, ideal for the separation of nucleic acids in the range of 0,8 – 25 kbp. Due to its high-resolution capabilities it is suitable for all preparative gel electrophoresis.

25g for 94,90 EUR plus MwSt.

Bio&SELL

High-definition Agarose

Bio&SELL High-definition Agarose as an alternative for the work intensive, expensive Polyacrylamid gels. It is optimized for the separation of nucleic acids in the range of 20bp – 800bp.

25g for 81,90 EUR plus MwSt.



The agaroses with the best price performance ratio:

www.agarose.de

Bio&SELL

Lohweg 27
90537 Feucht bei Nürnberg

E-Mail: info@bio-sell.de
Internet: www.bio-sell.de

Fon : +49 (0) 9128 – 724 32 32
Fax : +49 (0) 9128 – 724 32 33



Blood direct 2x PCR Mastermix

Further products which will interest you:

Bio&SELL DNA-Markers and DNA-Ladders

The Bio & SELL DNA-Markers and DNA-Ladders are characterized by sharp bands and excellent resolution in every size range.

Bio&SELL

100 bp + 1,5 kb DNA- Ladder premium including loading buffer

Suitable for the size determination of double-stranded DNA in the range between 100 bp and 1,500 bp.

1 x 50ug for 46,90 EUR plus MwSt.

Bio&SELL

1 kb DNA-Ladder including loading buffer

Suitable for sizing double-stranded DNA in the range between 250 bp and 10 kb.

1 x 50ug for 46,90 EUR plus MwSt.



**Bio&SELL
DNA-Markers:**

**Sharp in every size
range!**

www.bio-sell.com/molecular-biology/dna-marker-and-ladders.html

Bio&SELL Lohweg 27 90537 Feucht bei Nürnberg	E-Mail: info@bio-sell.de Internet: www.bio-sell.de	Fon : +49 (0) 9128 – 724 32 32 Fax : +49 (0) 9128 – 724 32 33
---	--	--