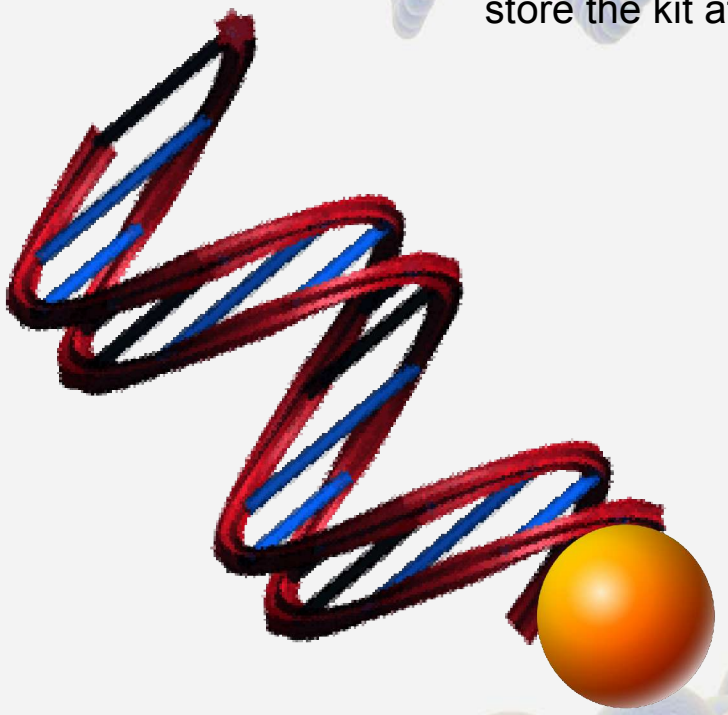
geneMAG-PCR

the magnetic PCR cleanup kit

For cleanup of PCR products with magnetic beads

store the kit at room temperature



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NEW TOOLS IN BIOSCIENCES

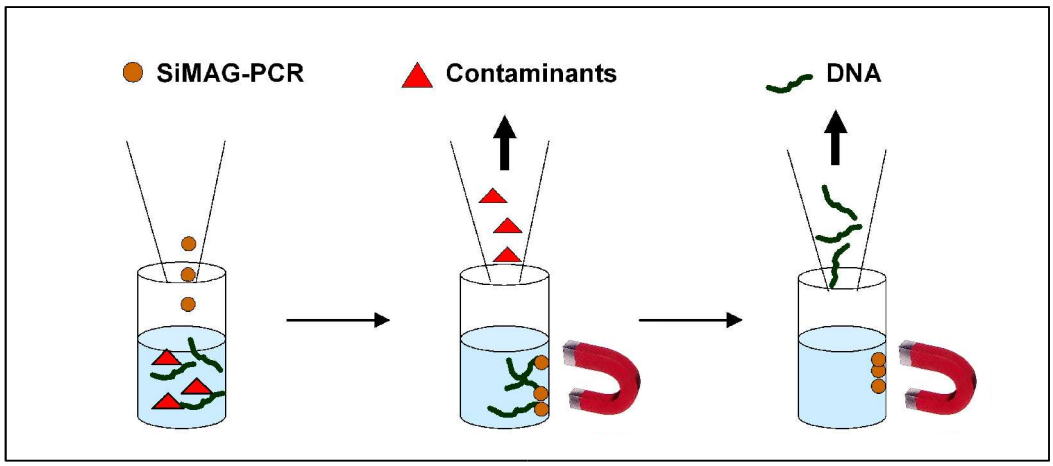
Technology

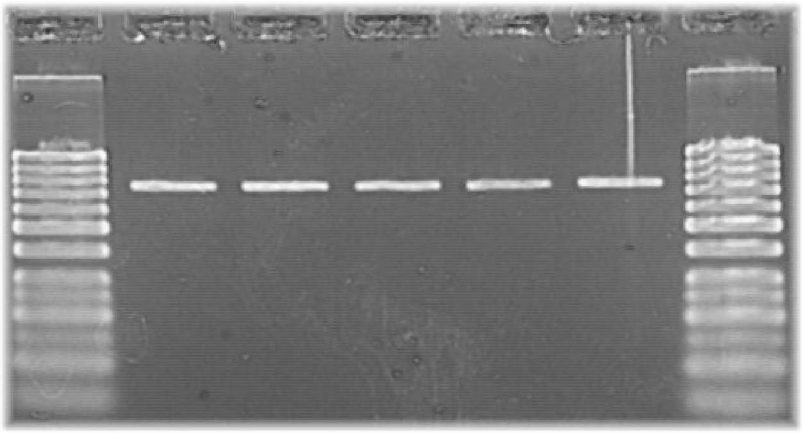
The **geneMAG-PCR** cleanup kit is designed for the removal of dNTPs or other buffer components from PCR mixes and enzyme reactions with magnetic beads.

The PCR products bind to **SiMAG-PCR** magnetic particles in the presence of chaotropic conditions, and remain tightly bound during washing. The purified PCR fragments are eluted in ddH_2O.

The **geneMAG-PCR** cleanup kit is highly suitable for microarrays, automated fluorescent DNA sequencing, restriction digestion or other applications.

The magnetic cleanup of PCR products offer greater flexibility than centrifugation- and vacuum-based systems. Therefore highly suitable for variety of automatization platforms.





DNA fragments from PCR purified using **geneMAG-PCR** cleanup kit. (Data kindly provided by Cengiz Öztürk, Charité, University Hospital of Humboldt-University to Berlin, Germany)

Products

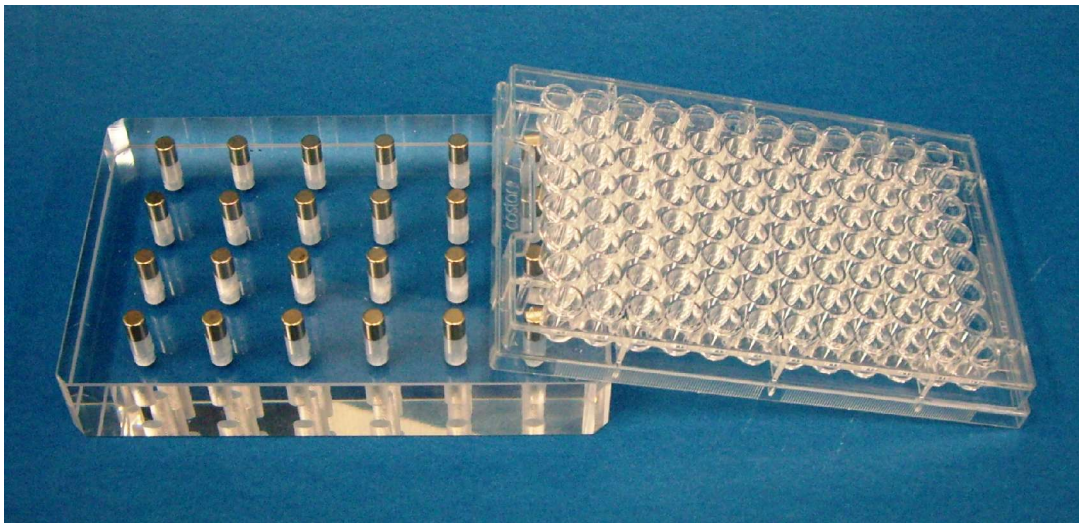
Kits	Contents	Number of Cleanups	Price Euro/US$
geneMAG-PCR 100 (Cat. No.: 3701-100)	• 30 ml Binding & Wash Buffer I • 2 ml SiMAG-PCR Beads	1 x 96 preps	50 / 65
geneMAG-PCR 500 (Cat. No.: 3701-500)	• 150 ml Binding & Wash Buffer I • 10 ml SiMAG-PCR Beads	5 x 96 preps	200 / 260
geneMAG-PCR 1000 (Cat. No.: 3701-1000)	• 300 ml Binding & Wash Buffer I • 20 ml SiMAG-PCR Beads	10 x 96 preps	350 / 460
MagnetoPURE 96 (Cat. No.: MP-30)			220 / 290

Reagents and Equipment to be Supplied by the User

- **Wash Buffer II:** 70% Ethanol or 70% Isopropanol
- **ddH_2O** for elution of PCR products from the beads
- **Vortex mixer** and **Thermomixer** or water bath (56°C), **magnetic separator**

Utensils for magnetic PCR cleanup

The **MagnetoPURE 96** separator is designed specifically to work with 96-well standard microplates (370 µl, 0.8 ml, 1.2 ml and 2.2 ml). The position of the high powerful magnet guaranties fast and easy separation of the magnetic particles.



MagnetoPURE 96

SPECIAL OFFER

As an introductory offer you will recieve a **geneMAG-PCR 100** kit for free in combination with the purchase of the **MagnetoPURE 96** separator.

SPECIAL OFFER:	Cat. No.:	Price Euro/US$
MagnetoPURE 96 **geneMAG-PCR 100**	3701-SO	220 / 290

This protocol describes the PCR cleanup from enzymatic reactions in a 96-well PCR plate.

1. Add 20 µl **SiMAG-PCR** and 150 µl **Binding & Wash Buffer I** to each well with PCR products. Mix by pipetting up and down and incubate for 5 minutes.

Tip: *Resuspend the magnetic beads completely before use by vortexing*

2. Place the 96-well plate on a magnetic separator for 1 minute and collect the bead/PCR-pellet. Remove and discard the supernatant.

3. Add 150 µl **Binding & Wash Buffer I** mix and collect the bead/PCR-pellet for 1 minute with the magnet, remove and discard the supernatant. Repeat washing step **one**.

4. Add 150 µl **Wash Buffer II** mix and collect the bead/PCR-pellet for 1 minute with the magnet, remove and discard the supernatant. Repeat washing step **one**.

5. **Dry** complete the bead/PCR-pellet for approx. 6-8 minutes at 56°C.

Tip: *The PCR product is soluble in ddH_2O and will get lost if the pellet is resuspended. This washing step removes traces of ethanol and enhances the recovery during the following elution step.*

Elution

6. Add 40 µl **ddH_2O** mix and incubate for 10 minutes at 56°C in a thermo-mixer.

Tip: *Complete resuspension of the pellet is important to recover high yields of PCR products. Repeat mixing (vortex) during the incubation step.*

7. Collect the beads with the magnet and transfer the solution with the eluted PCR products to new clean tubes. If the solution is not clear repeat the step.

Contact

chemicell GmbH

Eresburgstrasse 22-23
12103 Berlin
Germany

info@chemicell.com

Tel.: +49-30-2141481
Fax.: +49-30-21913737
e-mail: info@chemicell.com
Internet: www.chemicell.com