Version 150324 EN

AdnaMag-L
AdnaMag-S

Magnetic particle concentrators

Manual

REF T-1-700 / T-1-800

Order Information

On the website www.adnagen.com the addresses of distributors and information about our products can be found. Our distributors will provide you also with technical support. Furthermore, our support team will answer you any questions regarding the *AdnaTests* and *AdnaMags* (support@adnagen.com).

Purpose

The *AdnaMag* magnetic particle concentrators shall only be used for the test procedures of our *AdnaTest*-Kits. *AdnaTests* are developed for the enrichment of circulating tumor cells from peripheral blood of cancer patients, followed by analysis of the cancer associated gene expression.

Product Description

AdnaMags are designed for separation of Dynabeads® from liquid samples as described in the manuals of our *AdnaTest*-Kits. By inserting the magnet slider a magnetic field is applied to the sample tube and the bead-bound cells *(AdnaTest Select)* or mRNA-molecules *(AdnaTest Detect)* are drawn to the side of the tube. The beads are immobilized at the tube wall and the supernatant can easily be removed. After removing the magnet slider of the *AdnaMag* the Dynabeads® can be resuspended again.

Storage and Shipment

AdnaMag-L and *AdnaMag-S* contain neodymium magnets and are stored and shipped at ambient temperature. The magnetic strength of the permanent magnets will not decrease significantly during the lifetime of the *AdnaMag*. Do not expose the magnets to high temperatures (>60°C). Extended exposure of the magnet particle separators to UV light, e.g. direct sunlight or artificial UV light, may cause the surface material to become brittle.

Precautions

- *AdnaMags* contain very strong neodymium permanent magnets. Magnets could affect the functioning of pacemakers and implanted heart defibrillators. Therefore people wearing a medical magnetized implant should not use this product.
- Magnets produce a far-reaching, strong magnetic field. They could damage e.g. laptops, computer hard drives, credit cards, data storage media, mechanical watches, hearing aids or other electronic equipment. Keep magnets away from devices and objects that could be damaged by strong magnetic fields.
- The magnets have a very strong attractive force. Take care during handling and avoid contact between two magnets. Unsafe handling could cause jamming of fingers or skin in between magnets. This may lead to contusions and bruises.
- If magnets stick together, do not try pulling the magnets directly apart. Twist off to prevent damage to fingers or the *AdnaMag*.

Cleaning and Disinfection

Use damp cloth and mild detergent to clean the surface of the *AdnaMag*, especially after exposure to strong solvents. For disinfection spray and/or wipe the *AdnaMag* with 70% isopropyl alcohol. Alternatively, a 1% sodium hypochlorite solution can be used for that purpose. Avoid prolonged exposure to liquids and do not submerge in liquids. **Note: Do not autoclave *AdnaMags*!**

Troubleshooting

A failure of the gene expression analysis may have various reasons. It is essential that all steps of the *AdnaTest* are always executed precisely according to the corresponding manual. In case problems still occur, please go to: www.adnagen.com and download our troubleshooting guide in the product section. You will find practical hints for the test procedure and for the correct interpretation of test results.

In case the elastic strap gets fissured or torn or when problems concerning the AdnaTest continue to exist please contact our support team.

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