

Version 150318 EN

# *AdnaCollect* Blood Collection Tubes

*For research use only*  
*For blood collection only - not for injection*  
*For single use only* ☒

## **Manual**

**REF** T-1-600

## Order Information

On the website [www.adnagen.com](http://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, the QIAGEN Hannover support team will answer you any questions regarding the *AdnaTests* (support@adnagen.com).

## Purpose

The *AdnaCollect* blood collection tubes shall only be used for blood samples that will be subsequently analyzed with an *AdnaTest*.

## Reagents

The blood collection tube contains EDTA and an agent preventing illegitimate mRNA expression as a liquid (150 µl).

## Storage and Shipment

The blood collection tubes have to be stored at 15-25 °C until use. Do not freeze! After filling the tubes with blood they must be stored and shipped at a temperature of 4-8 °C.

The expiry date is printed on each tube. *AdnaCollect* tubes must not be used beyond the expiry date.

## Application Information

- Only authorized persons are allowed to take blood samples.
- Blood samples must be taken before the application of therapeutic substances. Do not use the *AdnaTest* earlier than 5 days after the last therapeutic intervention!
- Always handle blood samples as potentially infectious. Patient material and other potentially infectious material should be discarded as infectious material.

- *AdnaCollect* tubes have a non-return valve to prevent a possible backflow of blood.
- Immediately after blood collection the samples have to be stored at 4-8 °C.
- **Samples should be processed as soon as possible but not later than 24 hours after blood withdrawal.**



WARNING: Standard blood handling precautions apply.

## Procedure

1. Label the *AdnaCollect* tubes prior to use with:
  - an unambiguous identifier of the patient
  - date and time of blood withdrawal
2. Directly before use attach the *AdnaCollect* syringe to a cannula. Use cannula without tube or cannula with a short tube to get a sufficient fill level and, if necessary, a Luer-adapter.
3. Puncture the vein and collect blood by slowly pulling the plunger until it locks in place. Careful and slow pulling is important to protect the cells against shear forces.
4. Position the filled tube vertically (red cap up) and check the fill level. The blood should reach the mark "6,5".
5. Blood must be mixed thoroughly with the *AdnaCollect* solution. Immediately invert the tube 8 to 10 times.
6. Break off the plunger.
7. Tubes must be stored at 4-8 °C immediately after withdrawal.
8. Do not freeze the blood samples. Therefore, make sure that directly after blood withdrawal and also during transportation in the cooled and insulated transport box the samples are not in direct contact with frozen material.
9. Initiate refrigerated transportation. At constant storage temperatures of 4-8 °C the time from blood taking to analysis may last up to 24 h.

## 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](http://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.

Do not hesitate to contact our support team when problems continue to exist.



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