

APC inhibitor solution

Product no. ADG855IS

Storage: 2 – 8°C

For Research Use Only!

PRODUCT INSERT ENGLISH

DESCRIPTION

APC inhibitor solution is intended for the collection of whole blood for further preparation and assaying of activated Protein C (APC) plasma levels. The solution contains reversible active site inhibitors of APC. The inhibitor protects APC from inhibition by plasma protease inhibitors in drawn blood ex vivo.

The solution is intended for research use only.

USAGE

Add the APC inhibitor solution to the sodium citrate blood collection tube. The inhibitor has to be diluted 1+200 in the tubes (e.g. for blood collection tube with a fill size of 3 ml add 150 µl inhibitor solution).

EQUIPMENT REQUIRED BUT NOT PROVIDED

Sodium citrate blood collection tubes (0,106 mol/l).

PRESENTATION

APC inhibitor solution 4.4 ml (4x 1.1 ml vials). Suitable for 25x 3ml blood collection tubes.

Recommendation for blood collection

1. Collect blood into Blood Collection Tubes containing sodium citrate and the inhibitor solution:

- puncture vein by using sterile blood collection system, such as a wing canula with tubing ("butterfly") and appropriate Luer-Lock adapters
- **note: the first blood draw (up to 3 ml) should not be used for APC determination**, therefore use other blood collection tube (up to 3 ml), e.g. for other analysis than APC determination.
- then immediately draw blood into APC Blood Collection Tube(s).
- discard material in case of initially unsuccessful puncture attempt or obviously impaired blood flow during sampling.
- do not puncture the same vein again but preferably change to other limb for second attempt.

2. Drawn blood should be stored cooled (4 °C) and centrifuged (see step 3) within 4 hours.

3. Centrifuge the blood sample at 2,500 x g for 15 minutes.

4. Plasma should be stored at 2°- 8°C and assayed within 4 hours.

Alternatively, plasma may be stored at -20°C for up to 6 months.

5. Frozen plasma should be thawed rapidly at 37°C.

Follow the general guidelines for plasma preparation and handling of potentially infectious specimens.

Blood-to-additive variation can cause erroneous results if the tubes are over filled or under filled.

STORAGE AND STABILITY

Store APC Inhibitor solution at 2°-8°C. Solution may be used until the recorded expiration date. Shipment of product does not require cooling during the time of transportation.

BIBLIOGRAPHY

- Monitoring of plasma levels of activated protein C using a clinically applicable oligonucleotide-based enzyme capture assay. Müller J, et al., J Thromb Haemost. 2012 Mar;10(3):390-398

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The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.