

OLIGOBIND® Thrombin inhibitor solution

Product no. ADG844IS

Storage: 2 – 8°C

For Research Use Only!

PRODUCT INSERT ENGLISH**DESCRIPTION**

OLIGOBIND® Thrombin inhibitor solution is intended for the collection of whole blood for further preparation and assaying active Thrombin (TH) in plasma. The solution contains reversible active site inhibitors of TH. The inhibitor protects TH from inhibition by plasma protease inhibitors in drawn blood ex vivo.

The solution is intended for research use only.

USAGE

Add the OLIGOBIND® Thrombin inhibitor solution to the sodium citrate blood collection tube. The inhibitor has to be diluted 1+38 in the tubes (e.g. for blood collection tube with a fill size of 3 ml add 80 µl inhibitor solution).

EQUIPMENT REQUIRED BUT NOT PROVIDED

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

PRESENTATION

OLIGOBIND® Thrombin inhibitor solution 2.2 ml (2x 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 OLIGOBIND® Thrombin 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 chance 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 OLIGOBIND® Thrombin 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

1. Thrombin inhibition profiles in healthy individuals and thrombophilic patients. Rühl H, Müller J, Harbrecht U, Fimmers R, Oldenburg J, Mayer G, Pötzsch B. Thromb Haemost. 2012; 107: 848-853.
2. Profiling of active thrombin in human blood by supramolecular complexes. Müller J, Becher T, Braunstein J, Berdel P, Gravius S, Rohrbach F, Oldenburg J, Mayer G, Pötzsch B. Angew Chem (Int Ed Engl) 2011 Jun 27;50(27):6075-6078.
3. Measurement of free thrombin in human plasma using an oligonucleotide-based enzyme capture assay (OECA). Becher T, Müller J, Braunstein J, Mayer G, Pötzsch B. Haemostasiologie, 2010, 30 1: P17-02.
4. A new measure for in vivo thrombin activity in comparison with in vitro thrombin generation potential in patients with hyper- and hypocoagulability. Königsbrügge O, Silvia Koder S, Riedl J, Panzer S, Pabinger I, and Ay C. Clin Exp Med. 2017 May;17(2):251-256.
5. Activity pattern analysis indicates increased but balanced systemic coagulation activity in response to surgical trauma. Friedrich MJ, Schmolders, Rommelspacher Y, Strauss A, Rühl H, Mayer G, Oldenburg J, Wirtz DC, Müller J, Pötzsch. TH Open 2018; 2: e350-e356.

Distributed by:

LOXO GMBH

IMMUNOLOGIE • MOLEKULARBIOLOGIE
BIOCHEMIE • PRODUKTE UND SYSTEME

Gerhart-Hauptmann-Str. 48
69221 Dossenheim

Tel +49 6221 868023

Fax +49 6221 8680255

www.loxo.de - info@loxode

Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

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

ADG844IS002020223