

PRODUCT **Thrombin Plasma Prep for Exosome Precipitation (500 µl at 611U/ml)**

CATALOG # **TMEXO-1**

LOT # **210624-001**

STORAGE **-20°C (4° C for Short term)**

SHELF LIFE **12 months from date of receipt with proper storage**

SHIPPING **Blue Ice or Dry Ice**

PACKAGE CONTENTS

Thrombin liquid suspension (611U/mL) Lot# 210624-001	500 µl
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DESCRIPTION

Thrombin is used to pre-treat plasma samples to make them compatible with ExoQuick exosome precipitation. **Store unopened tubes at -20°C. Once thawed, aliquot and store the tubes at -20°C for long term. Avoid multiple freeze thaw cycles. Some aliquots can be stored at 4°C for short term.** Per United States OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC:1005, 1008(1999)] and the latest amendments to the European Union Directives 67/548/EC and 1999/45/EC, the ExoQuick product does not require a Material Safety Data Sheet (MSDS). It does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic. Therefore SBI does not provide a MSDS for ExoQuick or Thrombin at this time. When working with ExoQuick and Thrombin or any laboratory chemicals/reagents, SBI recommends using gloves, lab coats and eye protection as standard practice.

PROTOCOL

Plasma De-fibrination

- 1) Purified Thrombin is at [611U/mL] in PBS.
- 2) Add 4 µL of [611U/mL] Thrombin per 0.5 mL plasma to a final concentration of 5U/mL.
- 3) Incubate at room temperature for 5 minutes while mixing (gently flicking tube).
- 4) Centrifuge in a standard microfuge at 10,000 rpm, 5 minutes.
- 5) There should be a visible fibrin pellet at the bottom of the tube.
- 6) Transfer supernatant to new clean tube.
- 7) Treat serum-like supernatant with ExoQuick to precipitate exosomes, 30-60 minutes at 5°C.

Important Licensing Information

The Product shall be used by the purchaser for internal research purposes only. The Product is expressly not designed, intended, or warranted for use in humans or for therapeutic or diagnostic use. This Product is covered by a limited-use label license. Purchase and use of any part of the Product constitutes acceptance of the terms outlined in the Licensing and Warranty Statement contained in the User Manual.