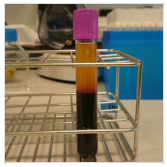

Version 1

Aug 10, 2020

plasma preparation_test V.1

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1 Works for me dx.doi.org/10.17504/protocols.io.hwpb7dn

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ABSTRACT

This protocol describes how to prepare plasma from blood and is an experimental protocol.

DOI

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PROTOCOL CITATION

Anneleen Decock 2020. plasma preparation_test. **protocols.io** https://dx.doi.org/10.17504/protocols.io.hwpb7dn

KEYWORDS

plasma preparation

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5807

Blood draw

1
- Note blood tube type
- Note date and time point of blood collection; store tubes upright at room temperature until centrifugation

- Note date and time point of arrival in lab
- Note amount of blood that was collected
- Take pictures of the tubes if needed

Centrifugation step 1: 10 min at 100 g (rcf)

2
- Spin tubes for 10 min at 100 g (rcf) (without brake).
- Pipette platelet-rich plasma (PRP) carefully into a new collection tube, leave ± 100 µl (or more) above the buffy coat (do not disturb the buffy coat)
- Aliquot the PRP into cryovials and store at -80°C (note time point in freezer), or continue to prepare platelet-poor plasma (PPP)

Centrifugation step 2: 20 min at 1500 g (rcf)

3
- Spin the PRP for 20 min at 1500 g (rcf) (without brake) to obtain platelet-poor plasma (PPP)
- Pipette PPP carefully into a new collection tube, leave ± 100 µl above pellet (do not disturb pellet)
- *Optional: If platelets need to be collected, remove remaining volume above pellet and resuspend pellet in RNA-later (use approx. 5 x volume of pellet)*
- Aliquot the PPP into cryovials and store at -80°C (note time point in freezer), or continue to prepare platelet-poor plasma (PPP)

Centrifugation step 3: 20 min at 1500 g (rcf)

4
- Spin the PPP for 20 min at 1500 g (rcf) (without brake) to obtain platelet-free plasma (PFP)
- Pipette PFP carefully into a new collection tube, leave ± 100 µl above pellet (do not disturb pellet)
- *Optional: If platelets need to be collected, remove remaining volume above pellet and resuspend pellet in RNA-later (use approx. 5 x volume of pellet)*
- Aliquot the PFP into cryovials and store at -80°C (note time point in freezer)

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