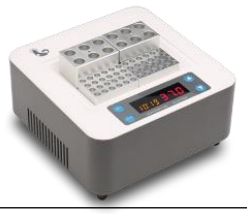
GINA 500 – Depletion of Human DNA from EDTA Blood

cube dx
hybCell technology

January 2023
V005

Switch on the heating block and set temperature to 100 °C!



Spin down the IPC tube before use

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Vortex Blood Sample

0 – 500µl

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Add 20µl IPC (Optional)

Add sample / 20µl EPC

LE Solution 1400µl (yellow !)

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Vortex for 5 seconds or invert repeatedly and wait for about <u>2min</u> at 18°- 25°C
Check for homogeneity

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Centrifuge for 5 Minutes with "Soft ramping", 9k – 11k [g]

Centrifugation: 5 Minute, 9k -11k [g]

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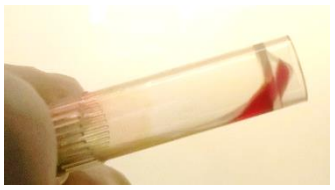
Decant Supernatant

Use a pipette to remove the remaining supernatant



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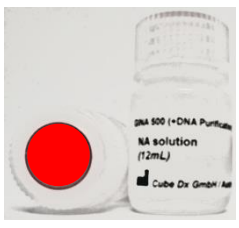

NA Solution 200µl (red !)

Invert to mix

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Vortex for 5 Seconds

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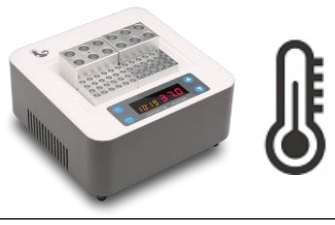

Incubate for 10 Minutes at 100°C

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T Solution 400µl (green !)

Invert to mix

☐

Storage possibilities:

until 24 Hours: 2° to 4°C
> 24 Hours: -25° to -18°C

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GINA 500 – DNA Purification

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The total volume from the enriched solution, 600µl

“Column “ in “Collection Tube”

Centrifugation: 1 Minute, 9k -11k [g]

Discard flow-through in “Collection T.”

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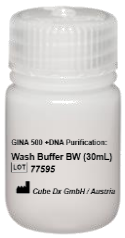

Wash Buffer BW 500 µL

“Column “ in “Collection Tube”

Centrifugation: 1 Minute, 9k -11k [g]

Discard flow-through in “Collection T.”

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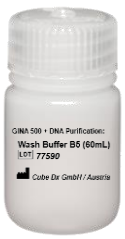

Wash Buffer B5 600 µL

“Column “ in “Collection Tube”

Centrifugation: 1 Minute, 9k -11k [g]

Discard flow-through in “Collection T.”

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1x Dry Silica Membrane

Check if there is liquid in/under the column (if yes, repeat the step)

“Column “ in “Collection Tube”

Centrifugation: 1 minute, 9k -11k [g]

Discard the “Collection T.”

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Elution Buffer BE 100-150 µL

Check the elution volume (repeat centrifugation if necessary)

“Column “ in “Elution Tube”

1 Minute room temp. incubation

Centrifugation: 1 Minute, 9k -11k [g]

Eluate in Elution Tube

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Eluate in Elution Tube

Heat at 100°C for 3 Minutes (leave the column´s lid open)

Dispose of the column, and close the elution tube.
Resuspend eluate before PCR usage !!!

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Storage possibilities:

until 24 Hours: 2° to 4°C
> 24 Hours: -25° to -18°C

*As an alternative to emptying and reusing the collection tube, a new tube can also be used. (additional tubes will be required!)

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