# GINA 500 – Depletion of Human DNA from EDTA Blood

cube dx
hybCell technology

*December 2023*
*V008*

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

**Spin down the IPC/EPC tube before use**

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***Vortex Blood Sample***

***0 – 500µl***

+

***20µl IPC (Optional)***
***Pipette and mix the sample into an IPC tube. If using 20µl EPC additionally, pipette the mixture into the tube as well)***

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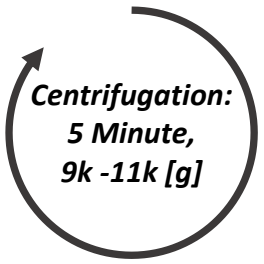
***Centrifuge for 5 Minutes with "Soft ramping", 9k – 11k [g]***

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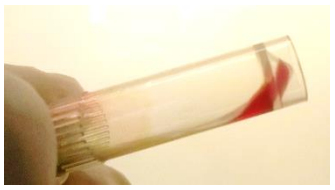
***Decant Supernatant***

***Use a pipette to remove the remaining supernatant***



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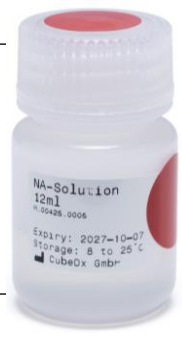

***NA Solution 200µl (red !)***

**Invert to mix**

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***Vortex for 5 Seconds***

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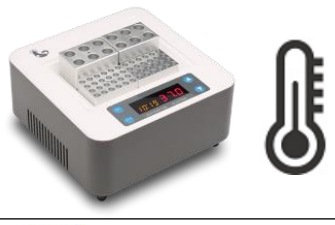
***Incubate for 10 Minutes at 100°C***



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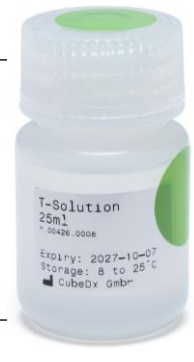
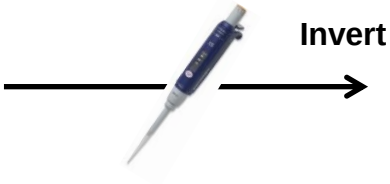


***T Solution 400µl (green !)***



**Invert to mix**

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***Storage possibilities:***

***until 24 Hours: 4° to 8°C***
***> 24 Hours: -15° to -25°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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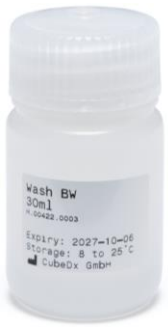


Wash Buffer BW 500 µL

"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

"Column " in "Elution Tube"

Check the elution volume (repeat centrifugation if necessary)

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)

Resuspend eluate before PCR usage !!!

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**Storage possibilities:**

until 24 Hours: 4° to 8°C
> 24 Hours: -15° to -25°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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