An affordable and simple method for DNA extraction from agarose suitable for downstream applications

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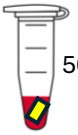
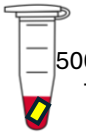
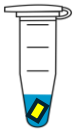
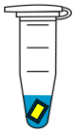
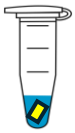
- Workflow protocol details

TRIZOL	TRIZOL frozen	KI 3M	KI 6M	Frozen
 Gel + 500 µL de TRIZOL	 Gel + 500 µL de TRIZOL	 Gel + 500 µL KI 3M	 Gel + 500 µL KI 6M	 Gel + 200 µL H_2Odd
Warm 10 minutes 50 °C	Frozen-20 °C 24 hours	Warm 10 minutes 60 °C	Warm 10 minutes 50 °C	Frozen -20 °C 24 hours
Transfer the solution to a generic silica column	Warm 10 minutes 50 °C	Transfer the solution to a generic silica column	Transfer the solution to a generic silica column	Warm 10 minutes 50 °C , fragment the gel with a tip
Centrifugue 12000 xg 1 minute, discardflow through	Ad 500 µL of absolute EtOH and 50 µL of CH3COONa 5M	Centrifugue 12000 xg 1 minute, discardflow through	Centrifugue 12000 xg 1 minute, discardflow through	Centrifugue 12.000 xg 5 minutes, recover the supernatant
x3. Add 500 µL of Wash Buffer (NaCl 50 mM, Tris HCl 10 mM, Et oH 705) to the column	Centrifugue 12.000 xg 5 minuties, discard supernatant	x3. Add 500 µL of Wash Buffer (NaCl 50 mM, Tris HCl 10 mM, Et oH 705) to the column	x3. Add 500 µL of Wash Buffer (NaCl 50 mM, Tris HCl 10 mM, Et oH 705) to the column	Ad 500 µL of absolute EtOH and 50 µL of CH3COONa 5M
Transfer column to a clean microcentrifuge tube. Add 30 µL TE buffer	Whas the DNA pellet with EtOH 70%, centrifuge for 5 minutes at 7500 × g	Transfer column to a clean microcentrifuge tube. Add 30 µL TE buffer	Transfer column to a clean microcentrifuge tube. Add 30 µL TE buffer	Centrifugue 12.000 xg 5 minuties, discard supernatant
	Dry the pellet, resuspend in TE Buffer			Whas the DNA pellet with EtOH 70%, centrifuge for 5 minutes at 7500 × g
				Dry the pellet, resuspend in TE Buffer