

Resultados de la extracción de ADN a partir de muestras de sangre del Laboratorio Central de Veterinaria de Algete, utilizando distintos protocolos.

"Salting out" (Miller et al., 1988)							
Raza	Identif.	Muestra	Buffer	[ng/ μ]	260/280	260/230	μ l DNA
Latxa	BAD1823	1ml	MB	202.7	1.64	1.36	40
Latxa	BAD0331	1ml	MB	179.1	1.86	2.19	40
Latxa	BAD1707	1ml	MB	25.6	1.85	1.3	40
Latxa	BAD1822	1ml	MB	41.9	1.75	1.18	40
Latxa	BAD1702	1ml	MB	12.2	1.58	0.62	40
Latxa	BAD1698	1ml	MB	67.4	1.57	0.93	60
Latxa	BAD1709	1ml	MB	62.4	1.65	0.83	40
Latxa	BAD1699	1ml	MB	41.9	1.75	1.25	40
Latxa	BAD0334	1ml	MB	121.3	1.78	1.41	40
Latxa	BAD1824	1ml	MB	49.2	1.66	0.85	60
Latxa	BAD1694	1ml	MB	946	1.76	1.73	40
Churra	BAY2696	1ml	MB	61	1.68	0.27	25
Churra	BAF8116	1ml	MB	20.7	1.37	0.15	25
Churra	BAY2687	1ml	MB	12.9	1.74	0.18	25
Churra	BAY2495	1ml	MB	13.4	1.55	0.1	25
Churra	BAF8115	1ml	MB	39.4	1.35	0.24	25
Churra	BAY2667	1ml	MB	24.4	1.54	0.12	25

MasterPure DNA Purification Kit (Epicentre)							
Raza	Identif.	Muestra	Buffer	[ng/ μ]	260/280	260/230	μ l DNA
Manchega	NG 11911	75 μ l	EDTA	60.3	1.75	1.24	50
Manchega	EC12027	75 μ l	EDTA	31.4	1.69	0.9	50
Manchega	RN11568	75 μ l	EDTA	76.7	1.77	1.39	50
Manchega	HJ11634	75 μ l	EDTA	85.6	1.77	1.39	50
Assaf	OGM110999	200 μ l	MB	579.7	1.84	2.55	50
Assaf	GDM110015	200 μ l	MB	44.1	1.76	1.07	50
Assaf	OOC150515	200 μ l	MB	152.9	1.8	1.67	50
Assaf	SJT150036	200 μ l	MB	81.6	1.77	1.38	50
Assaf	MDV140906	600 μ l	MB	318.4	1.77	2.06	50
Manchega	JD14507	75 μ l	EDTA	4.4	2.28	0.18	25
Manchega	SM12585	76 μ l	EDTA	1.38	1.7	0.12	25
Manchega	VL13087	77 μ l	EDTA	28.8	1.75	0.31	25
Manchega	JJ13025	78 μ l	EDTA	6.1	1.68	0.07	25
Manchega	MJ12330	79 μ l	EDTA	69.1	1.76	1.18	25
Manchega	PQ12579	80 μ l	EDTA	45.8	1.69	0.4	25
Manchega	RN14597	81 μ l	EDTA	5.6	2.03	0.19	25
Churra	BBJ1244	600 μ l	MB	146.5	1.81	1.75	100
Churra	BBJ1245	600 μ l	MB	631.1	1.84	2.06	100

Nucleospin kit (Machery -Nagel)								TTO ISOPRO.+AcNA			
Raza	Identif.	Muestra	Buffer	[ng/μ]	260/280	260/230	μl DNA	[ng/μ]	260/280	260/230	μl DNA
Assaf	HBA099091	75μL	EDTA	23.3	1.61	0.34	30	24.3	1.78	1.92	20
Assaf	TRR130556	75μL	EDTA	10.5	1.8	0.68	30	8.6	2.01	2.58	20
Assaf	MDV132896	75μL	EDTA	27.5	1.85	1.61	30	24.7	1.86	2.84	20
Assaf	MA130331	75μL	EDTA	2.8	1.73	0.38	30	0.1	0.34	0.02	20
Assaf	SJT130304	75μL	EDTA	11.8	1.79	0.16	30	14	1.88	1.33	20
Assaf	FS110273	75μL	EDTA	16.5	1.79	1.22	30	16.1	1.83	3.39	20
Assaf	OGM110999	200 μl	MB	11.8	1.63	0.47	50				
Assaf	GDM110015	200 μl	MB	18.1	1.62	0.88	50				
Assaf	OOC150315	200 μl	MB	17.9	1.69	0.62	50				
Assaf	SJJ150036	200 μl	MB	45.7	1.8	1.38	50				

Extractor QIAcube con QIAamp DNA Blood Mini Kit							
Raza	Identif.	Muestra	Buffer	[ng/μ]	260/280	260/230	μl DNA
Manchega	HV13547	75μL+PBS	EDTA	40.3	1.7	0.94	50
Manchega	GG13523	75μL+PBS	EDTA	13.9	1.95	1.95	50
Assaf	MDV110931	10μL+PBS	MB	2.3	1.87	1.43	100
Assaf	MDV110932	50μL+PBS	MB	32.8	1.54	0.66	100
Assaf	MDV110933	100μL+PBS	MB	33.3	1.75	0.94	100
Assaf	JAA141114	10μL+PBS	MB	3.5	2.06	1.01	100
Assaf	JAA141114	50μL+PBS	MB	20.9	1.62	0.85	100
Assaf	JAA141114	100μL+PBS	MB	53.2	1.57	0.76	100
Churra	BBJ1237	100μL	MB	1.94	1.79	0.5	70
Churra	BAF7056	100μL	MB	2.38	1.79	0.5	70
Churra	BBJ1237	75μL+PBS	MB	3.54	1.78	0.55	100
Churra	BAF7056	75μL+PBS	MB	4.54	1.38	0.67	100
Manchega	DA11479	75μL+PBS	EDTA	13.96	1.95	1.69	100
Manchega	GF11086	75μL+PBS	EDTA	6.5	2.09	0.87	100

Requerimientos Thermo Fisher

Requirements

This step needs to be done before proceeding with the DNA amplification for the automated target prep.

The genomic DNA (gDNA) you will process using the Axiom 2.0 Assay for 384 Samples should meet the following requirements:

- Starting DNA must be double-stranded for the purpose of accurate concentration determination.
- DNA must be of high purity and be free of DNA polymerase inhibitors.
- DNA must not be degraded.

The table below displays the gDNA sample input requirements for Axiom® 384HT Assay for 384 Samples.

Sample Type	Volume per Well (μL)	Input Mass per Well (ng)	gDNA Concentration (ng/μL)
Human	8.7	100	11.5
Diploid Plants and Animals	8.7	150	17.2
Polyploid Plants and Animals	8.7	200	23.0

IMPORTANT: We recommend that you prepare your genomic DNA sample plate in a clean room. The clean room should be separate from the laboratory where the Axiom 2.0 Assay for 384 Samples is performed and should be free of DNA amplified in other procedures.

NOTE: We recommend using at least one positive control DNA sample on each plate. For human samples, the Axiom Genomic DNA provided in the Axiom® 2.0 384HT Reagent Kit can serve as the control. For plant or animal samples, use a genomic DNA sample that meets the specifications mentioned above, is from the same species that is represented on the array, and ideally has passed previously in the Axiom Genotyping Solution. If no DNA control for your sample type is available, then the Axiom Genomic DNA can serve as a positive control during target preparation.

Calidad:	
260/280	1.8-2.0
260/230	> 1.5