



Purebred Spanish Horse Breeding Program - Pura Raza Española -



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Technical Director of PRE Studbook



Madrid, 2019

Purebred Spanish Horse

- ◎ The Purebred Spanish Horse (PRE) is considered the most ancient horse breed on the Iberian Peninsula (Aparicio, 1944).
- ◎ It is involved in the creation of many other horse breeds such as Lusitano, Lipizzan, present native American horse strains (Paso Fino, Azteca) and other Central European Warm-bloods.
- ◎ The official Stud Book was created in **1912**.
- ◎ There are more than **35,000** Purebred Spanish horse **breeders** in **66 countries**.
- ◎ **Breed census** 245,483 horses.
- ◎ Is the **breeding book of the origin** of the breed

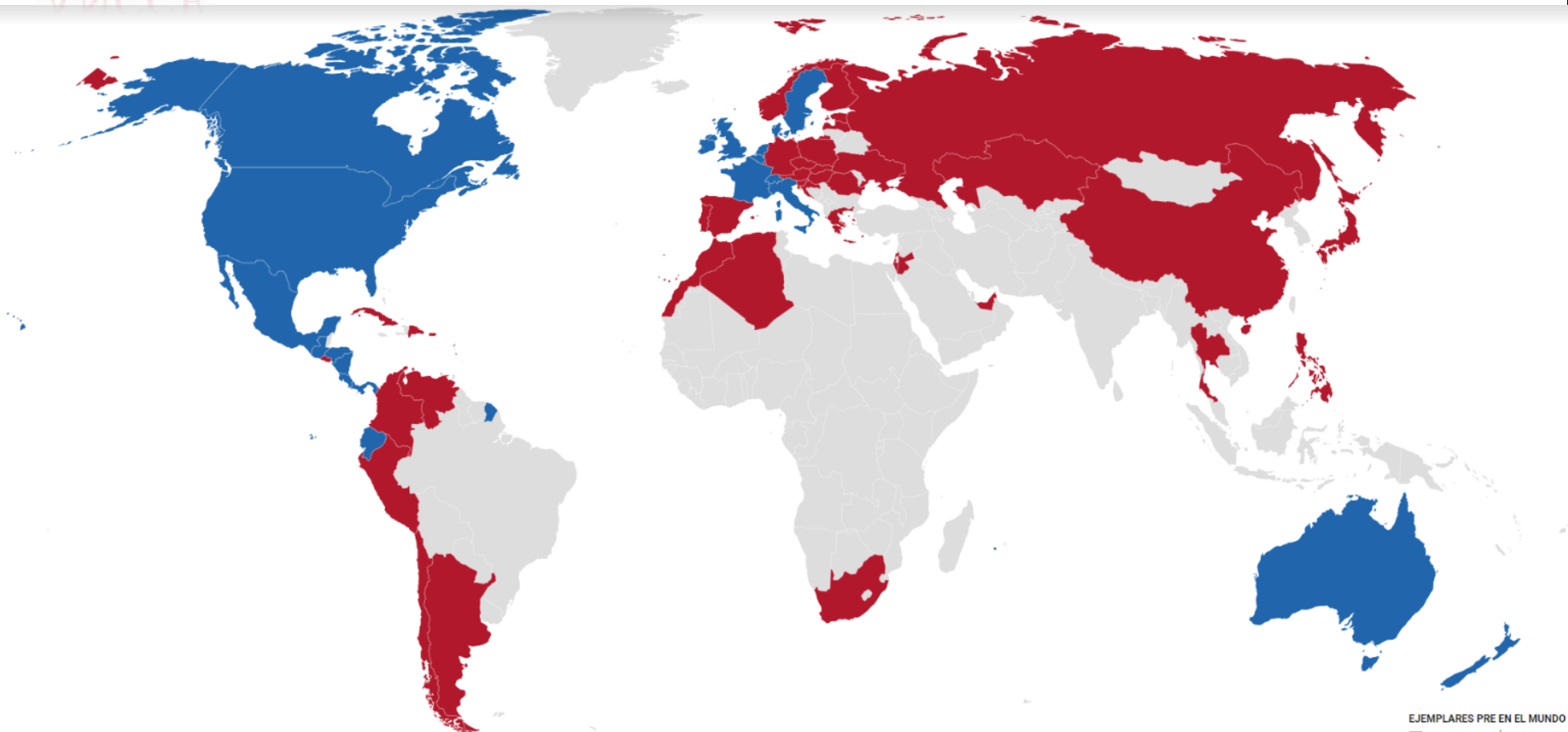


Purebred Spanish Horse

- ③ The main PRE Stud Book office is located in Sevilla
- ③ Collaboration Agreement: 18 Veterinary Representatives in Spain and 18 Collaborating International Associations.
- ③ PRE Stud Book also has its own Molecular Genetics Laboratory (**ANCCELAB**). UNIQUE LAB, UNIQUE BLOOD BANK, UNIQUE DATABASE



PREs AROUND DE WORLD



EJEMPLARES PRE EN EL MUNDO
■ CON ASOCIACIÓN
■ SIN ASOCIACIÓN

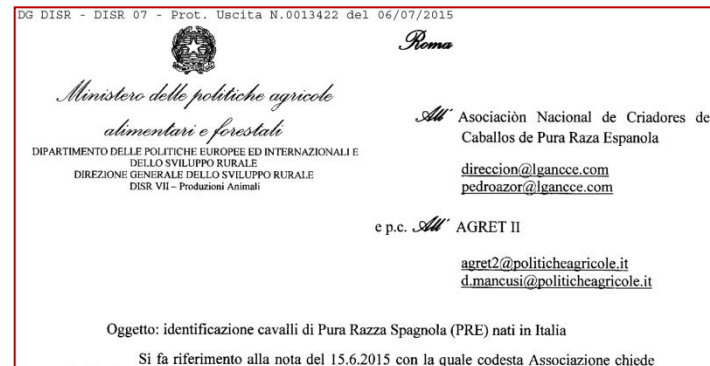
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AGREEMENTS CONCERNING PRE

Each country's national database:

- ③ Acces to each country's database
- ③ Collaborating Associations update their country's national database
- ③ Send all information to each country.



Purebred Spanish Horse

- ① The main office **issues Equine Identification Documents** (equine passports) for all Purebred Spanish Horses in the world. **UNIQUE FORMAT**
- ① For this, ANCCE uses a **sophisticated, Internet-based communication and information tool**, which keeps all those responsible for its handling in contact, both within and outside of Spain. **UNIQUE DATABASE**





Purebred Spanish Horse




Acceso

Usuario



Contraseña





ANCCE

LIBRO GENEALÓGICO del CABALLO de PURA RAZA ESPAÑOLA

INICIO >> HORSES >> Horse consult

HOME

SERVICES

STUD FARM

Stud farm registration

Stud farm consult

Modification of stud farms

Cartas ganaderías

Gestión de REGA

HORSES

PAYMENTS

ENVÍOS

Laboratory

CONCURSOS

ADMINISTRATION

MANAGEMENT

REGISTRO

ALMACÉN

MENSAJES

>> Horse search

HORSE	CODE / UELN	<input type="text"/>	NAME	<input type="text"/>	MICROCHIP	<input type="text"/>
	OWNER CODE	<input type="text"/>	FARM NAME	<input type="text"/>	AREA	Seleccionar...
	BREEDER CODE	<input type="text"/>	BREEDER NAME	<input type="text"/>	COVERING CERT. NUM.	<input type="text"/>
	Nº REGISTRATION	<input type="text"/>	TUBE CODE	<input type="text"/>	YEAR TO BIRD	<input type="text"/>
	RS	Seleccionar...	CAT. GENÉTICA	Seleccionar...	STATE	Seleccionar...
	SEX	Seleccionar...	ID.	<input type="text"/>	STATUS	Seleccionar...
	LG COAT COLOR	Seleccionar...	GENETIC COAT COLOR	Seleccionar...	REGA INSCRIPCIÓN	<input type="text"/>
SIRE	CODE	<input type="text"/>	NAME	<input type="text"/>	MICROCHIP	<input type="text"/>
DAM	CODE	<input type="text"/>	NAME	<input type="text"/>	MICROCHIP	<input type="text"/>








Drag a column header here to group by that column

Area	Name	Sex	Horse code	Microchip	ER	Date of birth	O. code	Owner	Coment.
No data to display									

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Main Information of the horse

Horse name	REVOLTOSO LXXXIX	Born date	24/04/2013	
Horse code	724015130300983 <input checked="" type="checkbox"/> PRE	UELN	724015130300983	
Microchip	10010000724010150040935	Sex	Male	
Status	Alta	State	Vivo	
Motive of the immobilization	Seleccionar...	Fec. Muerte		
Coat at birth	TORDA	Genetic coat		
EVALUATION OR GRADING	B	Date of castration		<input type="checkbox"/> GELDING
Sample of the laboratory	EQ-AAQ3542	Laboratory report	COMPATIBLE	
Father	VIOLETO II	Father code	190101002309876	
Mother	REVOLTOSA XXXIII	Mother code	190101002117294	
Breeder name	 YEGUADA DE LA CARTUJA "HIERRO DEL BOCADO"	Breeder code	1900005716	
Breeder	 YEGUADA DE LA CARTUJA "HIERRO DEL BOCADO"	Breeder code	1900005716	
Breeder name titular	EXPASA AGRICULTURA Y GANADERIA S.A	CA grabadora	001 Andalucía	
Tipo de muerte	Seleccionar	Cód. REGA muerte		
A. consumo humano	Sí	Date of suspension		<input type="checkbox"/> Aptitud revertida
Document	D	Nº Certificate	201211535	
Cód. REGA ins.		Cod. REGA nacimiento		



QUALITY CERTIFICATE

Quality Certificate for PRE Stud Book management all around the world, in keeping with UNE-EN ISO 9001:2015 standards. Since 2008. AENOR: certifications for organisations, services and systems.

Additional control of the Collaborating Associations abroad: LG ANCCE computer program and EXTERNAL AUDITORS: SINERGY

- FEES & RATES
- PROCEDURES
- REGISTRATION OF ENTRIES, DOCUMENTS....
- DEADLINES:
 - PRE Stud Book payment deadline.
 - Validation deadline for Requests for Service.
 - Deadline for the reception of blood samples and documents for the pre-registration at the main PRE Stud Book office.



BREEDING PROGRAM



- ◎ PRE Breeding Program was **approved** by the Ministry of Agriculture, Fisheries and Food the November 4th, **2003**.
- ◎ It was the first Equine Breeding Program approved in Spain.
- ◎ The **main objective** pursued by the PRE Breeding Program **is to improve their conformation and functionality**.
- ◎ To achieve this general objective, the following **specific objectives** are contemplated: **Obtain healthy horses** with no hereditary defects, **Improve the breed's morphological characteristics, behavioral characteristics.**



PHASES OF THE PRE BREEDING PROGRAM

PHASE ONE:	BIRTH REGISTER
PHASE TWO:	BREEDING STOCK REGISTER- Permanent register
PHASE THREE:	PERFORMANCE TESTS
PHASE FOUR:	GENETIC EVALUATION
PHASE FIVE:	CATALOG OF BREEDING STOCK



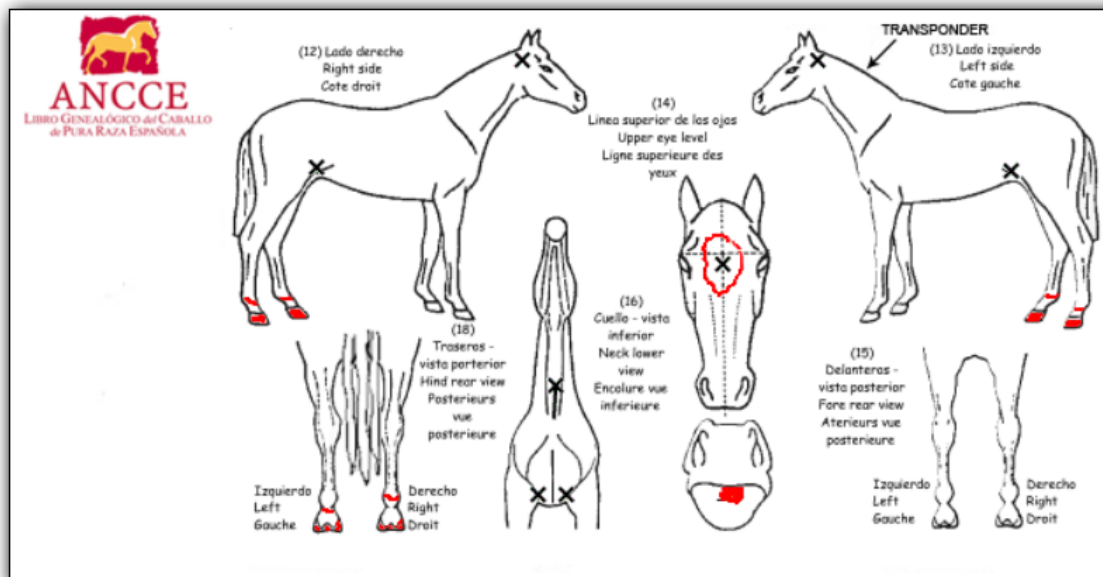
Service data

Name of horse	DONCELLA VJ 	BREEDING (covering) CERTIFICATE	201718563
Number of service	4216696	Birthday	20/06/2018
Father	OLE XI	Sire code	190101002303074
Sire microchip	985120006910020	Sire Birthday	25/01/2001
Mother	NORDICA XII	Dam code	190101002419148
Dam microchip	982009102662202	Dam Birthday	28/02/2004
Breeder's code	1900006066	Stud farm name	VICENTE JODAR FERNANDEZ
Breeder's name owner	VICENTE JODAR FERNANDEZ		

Veterinarian

Veterinarian L.G. PRE	Joan Ricard Macau Fabrega 
Veterinarian code	ES15001
Zone	BARCELONA-GERONA

Outline diagram



Identification: BIRTH REGISTER

Last year: **11,062** new
PRE Horses in its Birth
Register.

ALL Horses identified by:

Covering Certificate,
Microchip, graphic and
written description

+

Parentage control based
on DNA analysis

ERFP Management of the PRE Horse.

Madrid, 2019



Detalles del ejemplar BOHEMIO DE VALEN

Código:

Id. único: 535793

Microchip: 10010000724010150060720

Padre: GAVILAN RR

Madre: KELLY IV

Cliente: Ancce

Fecha de nacimiento: 26-01-2019

Fecha de alta: 05-05-2019

Fec. últ. act.: 05-05-2019

Sexo: M

Capa LG: TORDA

Genotipo

Muestras (1)

Muestras como progenitor (0)

Hijos (0)

Ejemplar



AncceLab

VHL20	HTG4	AHT4	HMS7	AME	LEX33	HTG6	AHT5	HMS6	ASB23	ASB2	HTG10	HTG7	HMS3	HMS2	ASB17	LEX3	HMS1	CA425
PQ	LM	JO	NO	XY	KQ	OO	JN	OO	JL	QQ	MP	OO	MM	KK	MR	FF	JM	NO

Madre



Migración NBT

VHL20	HTG4	AHT4	HMS7	AME	LEX33	HTG6	AHT5	HMS6	ASB23	ASB2	HTG10	HTG7	HMS3	HMS2	ASB17	LEX3	HMS1	CA425
PR	KM	KO	MN	XX	LQ	JO	NN	OP	JJ	IQ	MM	OO	MO	HK	HR	FP	MM	GN

Padre



Migración NBT

VHL20	HTG4	AHT4	HMS7	AME	LEX33	HTG6	AHT5	HMS6	ASB23	ASB2	HTG10	HTG7	HMS3	HMS2	ASB17	LEX3	HMS1	CA425
QR	LM	HJ	JO	XY	KQ	JO	JL	KO	JL	IQ	OP	OO	IM	KM	MR	LL	JJ	NO



Service data - nº 4196991

VETERINARIAN DELEGATE	Joan Ricard Macau Fabrega	VALORATION DATE	7/11/2018
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HORSE CODE	7240151503FR746	HORSE NAME	EPICO NAT
SEX	M	BORN DATE	10/07/2015
MICROCHIP	10010000724090000028202	R.S.	B
BREEDER CODE	1900021828	BREEDER	NATHALIE OWEZAREK

Zoometrics (cm)

Lineal variables

Result

HEIGHT AT WITHERS	< ▴ ▾ > 169	LENGTH OF FOREARM	< ▴ ▾ > 50	LENGTH OF GASKIN	< ▴ ▾ > 53
HEIGHT AT LOWEST POINT OF WITHERS	< ▴ ▾ > 160	DORSAL-STERNAL DIAMETER	< ▴ ▾ > 79	LENGTH OF BUTTOCK	< ▴ ▾ > 53
HEIGHT AT POINT OF CROUP	< ▴ ▾ > 166	BI-COSTAL DIAMETER	< ▴ ▾ > 43	LENGTH OF MOUTH	< ▴ ▾ > 12
SCAPULAR- ISCHIAL LENGTH	< ▴ ▾ > 166	LENGTH OF BACK	< ▴ ▾ > 31	THORACIC PERIMETER	< ▴ ▾ > 193
LENGTH OF HEAD	< ▴ ▾ > 61	LENGTH OF LOIN	< ▴ ▾ > 31	PERIMETER OF KNEE	< ▴ ▾ > 33
WIDTH OF HEAD	< ▴ ▾ > 23	WIDTH OF CROUP	< ▴ ▾ > 55	PERIMETER OF ANTERIOR CANNON BONE	< ▴ ▾ > 20
LENGTH OF NECK	< ▴ ▾ > 78	LENGTH OF CROUP	< ▴ ▾ > 55	ANGLE OF SHOULDER	< ▴ ▾ > 57
WIDTH OF CHEST	< ▴ ▾ > 42	HIP-STIFLE DISTANCE	< ▴ ▾ > 57	ANGLE OF CROUP	< ▴ ▾ > 15
LENGTH OF SHOULDER	< ▴ ▾ > 71	BUTTOCK-STIFLE DISTANCE	< ▴ ▾ > 54	PROPORTIONALITY INDEX	< ▴ ▾ > 102

Basic Evaluation: PERMANENT REGISTER

4,574 horses evaluated in
2018.

30 evaluation trips abroad by
official PRE Stud Book
veterinarians

Collect data about the horses:
using **zoometrical**
measurements and Lineal
Morphological Scores



PHASES OF THE PRE BREEDING PROGRAM

PHASE THREE: PERFORMANCE TESTS

A variety of data is collected systematically:

Morphologic Data:

- **Lineal Conformation Score.** The morphological scores shall be granted by a judge, belonging to the group of linear conformation judges for the breed.
- **Zoometric measurements:** measurements for length, height, angles, perimeters, etc.
- **Detection of defects:** The degree of expression of morphological and/or phaneroptical defects are collected on a linear scale.

Functional Data: Young Horse Selection Tests for Dressage. Other disciplines may be included in the future.



PHASES OF THE PRE BREEDING PROGRAM

PHASE FOUR: GENETIC EVALUATION

- ③ Genetic evaluations are performed for **37 conformational traits** and **6 functional traits** (Dressage)
- ③ **Global Genetic Index** value.
- ③ Young Recommended Breeding Stock for Conformation / Dressage.
- ③ Improver Breeding Stock for Conformation Traits / Dressage.
- ③ Elite Breeding Stock.



PHASES OF THE PRE BREEDING PROGRAM



Horses achieving any of the categories shall be awarded a diploma accrediting their inclusion in said category, and this fact shall be noted in their Equine Identification Document (Passport).



PHASES OF THE PRE BREEDING PROGRAM

PHASE FIVE: CATALOG OF BREEDING STOCK

- ③ Useful tool. UNIQUE CATALOG
- ③ Horses that have achieved any of the genetic categories
- ③ These horses can contribute to the improvement of the breed.







GENETIC EVALUATION

- Web site: published the genetic evaluation of **150.770 horses**
- List of the 100 best horses (stallions and mares), based on their genetic index for Dressage and conformation aptitudes has also been published.
- Private Zone of the LG PRE ANCCE stud book web site: breeders may consult all of the genetic evaluations available for all horses registered in their stud farms.



DIFICULTIES

- ③ Need for high degree of coordination among all parties involved (publics administrations, asociations, veterinarians, etc.
- ③ Need to adapt to the legislation of the each individual country.
- ③ Associations that fail to comply with the legislation and rules stablished by the breed's Original studbook. For example. (PRE MUNDIAL).



**FOR MORE INFORMATION
PLEASE VISIT:**

<http://www.lgancce.com>

<http://www.ancce.com>

OR PLEASE CONTACT WITH:

info@lgancce.com

**THANK YOU
FOR YOUR ATTENTION!**

