



		since
<b>Tests with blood samples</b>	Before 1994	since
<b>Tests with hair samples</b>	since 1994	Jan Verbeeck
<b>analysis laboraty / laboraties: Name, Contactdatas?</b>	Van Haeringen Laboratorium Wageningen. 0031-317416402	
<b>Is in your country a central data storage for the results? Where?</b>	Van Haeringen Laboratorium Wageningen. Het Nederlandse Fjordenpaarden Stamboek Hoenderloo	Since 2016 we take samples from the mane of horses that are presented on shows which we conserve in a safety- deposit. From 2018 on we'll take samples of all foals registred in our studbook.
<b>or are ther different data storages , which and where?</b>		
<b>Who administers the data base(s) ?</b>	Van Haeringen Laboratorium Wageningen. Het Nederlandse Fjordenpaarden Stamboek, Hoenderloo	
<b>Is there some certificate for the a) owner the b) breeding association(s) and / or</b>	The Studbook gets a certificate and the owner also.	
<b>is there a mark of the DNA test in the passport?</b>	yes	
<b>other regulations in your country?</b>		
<b>When do you test the horses?</b>	Every horse should be tested when they enter the main Studbook. And all horses who you are not shure if it's the right horse.	Approved stallions

<b>Obligatory for... Which horses are DNA tested in your country?</b>	all horse in the Studbook are tested. When they go to the show at 3 years old they should be tested. Horses who don't go to the show may not be tested. All breeding horses are tested.	
<b>Do you test the foals?</b>	We take hair when the are a foal. Voluntarily the owner can let them test.	
<b>Is the parentage of the foal verified upon every foal registration?</b>	yes	when the stallion is presented for breeding
<b>When is parentage verified?</b>	always	
<b>Have the licenced stallions been DNA tested?</b>	yes.	yes those who do not participate to the stallions expertise
<b>Are there stallions which are not tested?</b>	no	
<b>Have <u>all</u> the mares been DNA tested?</b>	yes, after 1994	
<b>If no! - which mares have to be tested?</b>	before 1994	No
<b>Have all the geldings been DNA tested?</b>	yes, but only if they enter the Studbook	
<b>If a horse isn't DNA tested, what is going to happen then?</b>	A Stallion isn't allowed to breed in the Studbook.	not approved
<b>..stallions</b>	A Stallion isn't allowed to breed in the Studbook.	/
<b>..mares</b>	Mares can't be registrated in the Studbook. They come in a different book, we call it Veulenboek.	/
<b>..geldings</b>	The same for geldings as for mares.	
<b>Future regulator plannings ?</b>	more then only parental testing. Diseases and inheritable defects.	no

Hungary	Germany	France
Pony and Smallhorse Breeding Association	Interessengemeinschaft Fjordpferd (IGF) e.V. , 31619 Binnen, Teichweg 6, Niedersachsen Tel.: +49 (0)5023 983 239	AFCF ASSOCIATION FRANCAISE DU CHEVAL FJORD
yes	yes	YES
Póni- és Kislótenyésztők Országos Egyesülete	Deutsche Reiterliche Vereinigung e.V. ; Abteilung Zucht Freiherr-von-Langen-Straße 13, 48231 Warendorf Tel: +49 (0)2581 63620 <a href="https://www.pferd-aktuell.de">https://www.pferd-aktuell.de</a>	IFCE NATIONAL ORGANISME DEPENDING FROM MINISTRY OF AGRICULTUR
yes	no	NO
Phone : +36 20 571 0913 Mail: nemeth.zoltan@capriovus.eu	Phone : +49 (0) 173 6405234 Mail: susepetersen@t-online.de Phone: + 49 (0) 6164 1085 Mail: JochenNoesinger@web.de	ERNWEIN ANNE § JACQUES
	no	
	genotype of certain diseases, genotyping for coat colour genes	TO VERIFY THE FILIATION WHEN THERE IS DOUBT
The samples are taken by the regional horse breeding inspectors of the Federation of Hungarian Horse Breeders, Address: Hungary 1134 Budapest, Lőportár utca 16. Tel.: +36 1 412-5010, Fax: +36 1 412-5011 Web: www.mlosz.hu E-mail: info@mlosz.hu The DNA test is carried out by the Genetic laboratory of the National Foodchain-Safety Authority, Tel: 06-1/ 336-9009 Fax: 06-1/336-9479 E-mail: ugyfelszolgalat@neh.gov.hu	Deutsche Reiterliche Vereinigung e.V. ; Abteilung Zucht Freiherr-von-Langen-Straße 13, 48231 Warendorf Tel. + 49 (0) 2581 63620 Homepage: <a href="https://www.pferd-aktuell.de">https://www.pferd-aktuell.de</a>	IFCE DEPENDING FROM MINISTRY OF AGRICULTUR
504/2008/EK	since 2015 it is <u>in general</u> an obligation in Germany, some breed organisations started earlier. But in <u>practice</u> there are differences between the breed associations . The basic-document is the FN "Zuchtverbandsordnung" <a href="https://www.pferd-aktuell.de/zvo/zuchtverbands-ordnung-zvo">https://www.pferd-aktuell.de/zvo/zuchtverbands-ordnung-zvo</a> for the Fjordhorses it is a document with 10 pages ... available in "german" if you interesstet we can sent you the <u>document</u>	BY IFCE DEPENDING FROM MINISTRY OF AGRICULTUR
National Foodchain-Safety Authority	see additional <b>annex</b> : the different breed organisations in Germany	IFCE DEPENDING FROM MINISTRY OF AGRICULTUR
year 2006 (in the recent system)		year 2005

since	1988 blood typing / - grouping (stallions: generally with licencing)	since 2005
since	1995 D N A Testing in the beginning with blood typing later hair samples (1998)	since
	<b>differt laboratories ... f.ex.</b> <b>one of them</b> GeneControl GmbH Senator-Gerauer-Str.23 a 85586 Grub (near Munich) T 089 / 9 44 19 69-0 F 089 / 9 44 19 69-501 genlab@tzfgen-bayern.de <b>another one:</b> Certagen GmbH Marie-Curie-Str.1 D-53359 Rheinbach Tel.: +49 (0)2226 / 87-1600 Fax.: +49 (0)2226 / 87-1604 email: info@certagen.de Internet:	EUROFINS
yes, at National Foodchain-Safety Authority	no, data are stored in different laboratories	IFCE DEPENDING FROM MINISTRY OF AGRICULTUR
	see above	
National Foodchain-Safety Authority	the different laboratories - but they work together / data exchange	IFCE
Both	yes, owner and the breed organisations, which applys the test, gets a certificate	NO
	yes, if at the time the passport is made a testresult is available, then there is a reference to the test number and the testing laboratory but not always....the owner gets an certificate he can apply to bring the testresults in the passport.	NO BUT ON IFCE WED SITE YOU CAN SEE FOR EVERY REGISTERED HORDSE IN France ITS STATUT
	in the passport it is written that a test has been done and the laboratory, but not the result.	
When they are registered, and receiving the identificaton.	in <u>some</u> breeding associations foals are tested when registered (all foals must be inspected for registration)... but not in all breed associations!	MARE BEFORE REGISTRATE 1ER FOAL STALLION BEFORE HAVING COVER LICENCE
All official licensed stalins have to have DNA test	breeding stallions and dams of breeding stallions	MARE BEFORE REGISTRATE 1ER FOAL STALLION BEFORE HAVING COVER LICENCE

10% of the foals newborn foals are tested each year	The different breeding associations started at different dates to test all fillies	YES IF THE MOTHER WAS COVERED BY TOO STALLION IN THE SAME YEAR
10% of the foals newborn foals are tested each year	foals must be shown and identified with the dam	NO ONLY IF 2 COVER IN THE SAME YEAR
When they are registered, and receiving the identificaton.	randomized samples are taken of female breeding stock. Parentage of stallions is checked when registered as breeding stallions	IF THE MOTHER WAS COVERED BY TOO STALLION IN THE SAME YEAR
Yes	yes	YES
No	possibly yes if the stallion has been licensed before 2000	NO
Not all	no. The different breeding associations started at different dates to test all fillies	ALL BREEDING MARIES
Whiches foal was selected in the 10% which is tested, and has no previous test.	stallion mothers	
No	no	NO ONLY IF 2 COVER IN THE SAME YEAR
Mandatory tested if he didn't has got it before	no license for breeding	HE CAN'T HAVE A COVER LICENCE
step by step all of them will be tested due to the 10% of tests	sons cannot be licensed for breeding	FOAL CAN'T BE REGISTRATED
	no consequence	
	there is a tendency in the breeding that have not established testing of all foals to introduce the testing of all individuals. Some states give	



since	since very long time, 1980:s or earlier?	Unknown
since beginning	since the lab offered test this way,	Unknown
Dr. van Haeringen Laboratorium B.V., Postbus 408, 6700 AK Wageningen, AgroBusinessPark 100, 6708 PW Wageningen, Tel: (+31) 0317 416 402	Husdjursgenetiska laboratoriet, SLU, Uppsala	Currently 'Australian Genetics Testing' and/or Australian DNA Typing Research Laboratory, Dept of Physiology, University of Qld, Brisbane, Q.4072 Australia.
Results are stored in the studbooks of the SVPK, but no central data.	Yes, at the lab	APSB
	Some information in "Blå basen" <a href="http://www.blabasen.se/sh/SokHast">http://www.blabasen.se/sh/SokHast</a>	
The officials of the different studbooks	The databas for horses is called Blå basen at <a href="http://www.svehast.se">www.svehast.se</a>	APSB
Certificate for owner and breeding association	a) yes b)yes	a) None provided to owner b) Believe provided to APSB
only in passeports printed after the information was entered in the studbook. In the others there is no mark.	no	Not applicable.
no	no	No
it is part of the licensing procedure	stallions who are approved and when something is unclear also other horses should be tested (to confirm pedigree, and then the mother must be tested to). Some test their foal, but most don't. All foals (and older horses) get transponders before registration, and then a sample is collected and saved, and can be tested whenever we want	Between 4 and 6 months of age, or as required for older horses.
all stallions at the stallion licensing, mares only of the breeds where it is wanted by the motherstudbook.	stallions for breeding and their mothers (and of course fathers, but usually they already are tested	a) All colts when registered as colt/future stallion b) stallion, mare and progeny in cases of AI c) when parentage or pedigree uncertain due to late registration, incorrect paperwork or other problems

no	no, only if the owner asks for that. But we have samples from all foals	Colt foals which are likely to remain entire (become stallions) and all foals born via AI.
no	just by papers, and we have samples and can check if we want.	Not through DNA testing. Only by correlation of the mating records with the date of birth of foal. If uncertain, then the registering body (APSB) will require DNA testing of foal and parents.
Foals from artificial insemination and when the foal is not presented beside the mother	before registration (by papers) and for stallions before they get their licenses (by test)	
yes	yes	Yes
no	no	No
no	the stallions' mothers and some more mares	No
Fjord mares don't have to be tested	see above	Unknown, but probably about 6 only.
no	no	No
	We save samples from all horses at foal registration and can always check if we want, even after a long time.	There are currently less than 170 Fjord horses in Australia. Parentage will be able to be physically confirmed for these small numbers for some time to come.
stallion stays in categorie 2, the categorie of the horses, that are not explicit recommended for breeding. Passeport for the foal of categorie 2	must be to be licensed	We will be interested to find out how records are kept and purity of the breed maintained by countries which have much greater numbers.
nothing	only when her son will be approved	
nothing	nothing	
no	no	None

Norway	Denmark	Canada
Norwegian Fjord Horse Association	Fjordhesten Danmark	Canadian Fjord Horse Association (CFHA)
Yes	Member	blood typing in 1986 DNA testing in
Noewegian Horse center	As above: Fjordhesten Danmark, mails can be send to avl@fjordhest.dk and you will get in contact with the whole breeding committee	The lab we use is Maxxam Analytics Inc.
No		The data is stored with Canadian livestock Records Corporation (CLRC) whom also provides the data base for all CFHA registrations.
Phone : Phone: +4761165500 turid.helfjord@nmbu.no	Mail: Mail: birgit.fjordhorse@gmail.com or avl@fjordhest.dk.Phone : 0045 2163 2903	All stallions and mares regardless of age must be DNA tested at time of registration. Registration is not completed without proper DNA testing.
No	No.	
No	Colours.	
	Fjordhesten Danmark	
Breeding plan	Parentage control: the European legislation, the rule for colour-testing is agree on in the association (general assembly).	
Norwegian Horse Center	Parentage control: a lab in Denmark, colour-testing: a lab in the US.	
2001	When it became possible, cannot tell the exact year.	

since	Parentage control before DNA was performed with the help of blood samples.	
2001	Most tests today are based on hair samples.	
Basic Sciences and Aquatic Medicine. Norwegian University of Life Sciences. Knut Røed phone +4767232022		
Yes, Norwegian Horse Center	information about DNA from Denmark please contact the breeding	
No	For parentage controls: yes. Contact the breeding committee avl@fjordhest.dk.	
Norwegian Horse Center		
Owner	If you need DNA from Denmark please contact the breeding committee.	
Yes	The owner receives a confirmation (parentage o.k.). A certificate with testing-details is send to the database-administrator (the breeding association).	
No	Yes.	
	Mandatory for breedings stallions, voluntary for others, but spot checks are carried out.	
All		

Yes	Breeding stallions.	
The yeat the horse is born	No, - the breeding committee made a proposal for the General Assembly 2017 which, if the GA said yes, would mean that there would be a mandatory DNA-test for the foals before a passport was issued. Sadly a majority of the GA voted against it. However some foals owners have their foals tested.	
The yeat the horse is born	See the answer above.	
Yes		
No, not breeding stallions	Some at birth, some later, breeding stallions at the lastest before their breeding license is activated.	
Yes	Yes.	
All	If you mean breeding stallions the answer is no. No, but spot checks are carried out.	
All	It is mandatory to test the breeding stallions mothers.	
	No, but spot checks are carried out.	
	Testing is mandatory for breeding stallions.	
	Testing is voluntary for mares, except the breeding stallions mothers.	
	Testing is voluntary for geldings.	
	The breeding committe DNA test.of foals	
	mandatory.	