

To be returned by e-mail to: DNA@icar.org

Annex II

Form for ICAR laboratory WfhjZWUhjcb for STR Microsatellite-based Parentage Testing in Cattle

1.	ADDRESS DETAILS (fill out)
	Country:
	Laboratory name:
	Contact person:
	Address:
	Telephone:
	E-mail:
2.	BILLING INFORMATION (fill out)
	NI CONTRACTOR OF THE PROPERTY
	Name:
	Address:VAT Number:
	Contact person:
	Email:
2	EDUCATION. TRAINING. AND EXPERIENCE OF SUPERVISOR /OPERATOR
J.	EBOCATION. TRAINING, AND EXPERIENCE OF SUPERVISOR OF ERATOR
	a. Level of education of the head of the laboratory (tick the box and describe)
	☐ Ph.D. in
	☐ Master of Science in
	☐ Bachelor of Science in
	Other
	□ None
	b. Experience of senior operator (tick)
	☐ More than 5 years
	☐ More than 2 years but less than five years
	Less than 2 years



4. CERTIFICATION AND EQUIPMENT

 a. <u>Certification</u> (Please tick the box and send a copy of the certification with its translation into Engli ICAR Secretariat. Please note that an ISO certification is a minimum requirement!): 					
			☐ ISO17025 certification		
			Other or no certification (No need to	continue application in this case)	
NB. Please be aware that for ICAR certification will no longer meet requirements. ISO17025 ac guidelines				n to be granted from 2022 onwards ISO9001 ccreditation will be mandatory from 2022 as per	
 b. <u>Equipment services</u>. Please list the equipment in your laboratory. 					
			Type of equipment	Date of purchase	
5.	PART	ICI	PATION AND PERFORMANCE IN I	SAG RING TESTS	
	 □ No ring test participation (No need to continue application in this case) □ ISAG ring test participation 				
		Ye	ar of the last participation in the ISAG ring te	st	
6.	PERF	OR	RMANCE IN THE LAST ISAG RING	TEST.	
	 Provide a copy of your ISAG certificate, when available and describe only the results obtained with the compulsory ISAG recommended microsatellites (12 microsatellites starting from ISAG 2009-10 ring test, 9 in previous ring tests); 				
		b.	Provide the following data (to clarify the me on 20 individuals analysed with 12 microsal example):	eaning of "number of genotypes," a ring test cellites produces 240 genotypes, for	
			Number of samples		
			Number of microsatellite markers		
			Number of correct genotypes		
			Number of missing genotypes		
			Number of incorrect genotypes		



	C.	In the most recent ISAG ring test the laboratory achieved the following result for the Typing Comparison Test:
		☐ Absolute genotyping accuracy rank 1
		☐ Absolute genotyping accuracy rank 2
		☐ Absolute genotyping accuracy rank 3 to 5
	d.	While in the previous ISAG ring test the laboratory achieved the following result for the Typing Comparison Test:
		☐ Absolute genotyping accuracy rank 1
		☐ Absolute genotyping accuracy rank 2
		☐ Absolute genotyping accuracy rank 3 to 5
7.	MARKE	R SET AND NOMENCLATURE
	a.	Use of ISAG and other marker sets (please tick box and eventually describe)
		☐ ISAG microsatellite marker set
		Additional microsatellite markers
		Other marker panel (e.g., SNP, please specify)
	b.	Nomenclature (please tick box and eventually describe)
		□ISAG
		☐ Other (please specify)
	C.	Microsatellite markers typed on all animals



Number of animals typed with these markers
in 2021:
in 2022:
in 2023:
in 2024:
in 2025 (estimates):
d. Markers typed when the set of markers previously listed does not resolve parentage
Number of animals typed with these markers
in 2021:
in 2022:
in 2023:
in 2024:
in 2025 (estimates)
e. Power of exclusion (1 parent) for each marker used:
Number of animals and breeds used for the calculation of PE (1 parent)
Method (formula and reference) used to calculate PE (1 parent)

Marker	PE
TOTAL	



t. <u>Power (</u>	of exclusion (2 p	parent) for each marker used:					
Number of animals and breeds used for the calculation of PE (2 parent)							
Method (formula and reference) used to calculate PE (1 parent)							
Marker	PE						
TOTAL							