



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

Annex II

Questionnaire for ICAR Accredited Laboratory 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)

Name :
 Address.....
 VAT Number
 Contact person and email.....

3. EDUCATION, TRAINING, AND EXPERIENCE OF SUPERVISOR /OPERATOR

- a. Level of education of the head of the laboratory (tick the box and describe)
- Ph.D. in
 - Masters of Science in
 - Bachelors 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. Certification (tick the box and send a copy of the certification, and English translation if necessary, to ICAR Secretariat. Please note that an ISO certification is a minimum requirement!):
- ISO17025 certification
.....



ISO9001 certification

.....

Other or no certification (No need to continue application in this case)

.....

Type of equipment	Date of purchase	Date of last revision

5. PARTICIPATION AND PERFORMANCE IN ISAG RING TESTS

No ring test participation (No need to continue application in this case)

ISAG ring test participation

a. _____ Year of the last ISAG ring test

Performance in the last ISAG ring test. **Please notice: 1. provide a copy of your ISAG certificate, when available and describe only the results obtained with the compulsory ISAG recommended microsatellites (12 microsatellites starting in ISAG 2009-10 ring test, 9 in previous ring tests); 2. to clarify the meaning of “number of genotypes,” a ring test on 20 individuals analysed with 12 microsatellites produces 240 genotypes, for example.**

_____ Number of samples

_____ Number of microsatellite markers

_____ Number of correct genotypes

_____ Number of missing genotypes

_____ Number of incorrect genotypes



6. MARKER SET AND NOMENCLATURE

b. 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)
.....
.....

c. Nomenclature (please tick box and eventually describe)

- ISAG
- Other (please specify)
.....
.....

d. Microsatellite markers typed on all animals

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Number of animals typed with these markers
in 2014:
in 2015:
in 2016:
in 2017:

e. Markers typed when the set of markers previously listed does not resolve parentage:

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.....



Number of animals typed with these markers
in 2014:
in 2015:
in 2016:
in 2017:

f. Power of exclusion (1 parent) for each marker used:

Number of animals and breed used for the calculation of PE (1 parent)
.....

Method (formula and reference) used to calculate PE (1 parent)
.....

Marker	PE
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TOTAL



g. Power of exclusion (2 parent) for each marker used:

Number of animals and breed used for the calculation of PE (2 parent)
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Method (formula and reference) used to calculate PE (1 parent)
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Marker	PE
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TOTAL