



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

Annex V

Questionnaire for ICAR laboratory accreditation for SNP-based parentage testing in cattle

SECTION 1. GENERAL INFORMATION

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 /OPERATORS

- 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 5 years
 - Less than 2 years

4. CERTIFICATION, LABORATORY PROCEDURES, AND EQUIPMENT

- a. Certification (tick the box, describe, and send a copy of the certification, and English translation as necessary, to the ICAR Secretariat; please note that no certification is required by ICAR at the moment).
- International certification
.....
 - National certification
.....
 - No certification (**certification will be a minimum requirement in the future**)



b. If you have no certification, describe briefly:

Procedure for handling of samples from arrival to disposal

.....
.....
.....
.....

Procedure for storing and retrieving information

.....
.....
.....
.....

Procedure for control of cross-contamination

.....
.....
.....
.....

Procedure for error and repeatability checking

.....
.....
.....
.....

c. Equipment (describe)

Type of equipment	Date of purchase	Date of last revision

d. Genotyping technique (describe)

.....
.....
.....
.....



SECTION 2. PARTICIPATION AND PERFORMANCE IN RING TESTS

a. Participation and performance in international ring (comparison) tests (tick)

- ≥ 2 international ring tests
 < 2 international ring tests

Most recent international ring test (tick and describe)

- ISAG
 Other (describe number of markers, samples, participating countries)

.....

_____ Year of the most recent international ring test

Performance in the most recent international ring test **(Please notice: 1. If you participated in ISAG ring tests, provide a copy of your ISAG certificate, when available, and describe only the results obtained with the ISAG recommended SNPs; 2. to clarify the meaning of “number of genotypes,” a ring test on 20 individuals analysed with 96 SNPs produces 1,920 genotypes)**

- _____ Number of samples
 _____ Number of SNP markers
 _____ Number of correct genotypes
 _____ Number of missing genotypes
 _____ Number of incorrect genotypes

Previous international ring test (tick and describe)

- ISAG
 Other (describe number of markers, samples, participating countries)

.....

_____ Year of previous international ring test

Performance in the previous international ring test

- _____ Number of samples
 _____ Number of SNP markers
 _____ Number of correct genotypes
 _____ Number of missing genotypes
 _____ Number of incorrect genotypes

National ring tests

- ≥ 2 national ring tests
 < 2 national ring tests

Most recent national ring test description

- _____ Country of the ring test
 _____ Year of most recent national ring test
 _____ Number of participants



Performance in most recent national ring test

- _____ Number of samples
- _____ Number of SNP markers
- _____ Number of correct genotypes
- _____ Number of missing genotypes
- _____ Number of incorrect genotypes

Previous national ring test description

- _____ Country of the previous ring test
- _____ Year of previous ring test
- _____ Number of participants

Previous

Performance in the previous national ring test

- _____ Number of samples
- _____ Number of SNP markers
- _____ Number of correct genotypes
- _____ Number of missing genotypes
- _____ Number of incorrect genotypes

No ring test participation

b. Marker set and nomenclature

c. Use of ISAG or other marker sets (please tick box and provide list of SNPs)

- ISAG SNP marker set
- Additional SNP markers (please specify)

.....
.....

d. Nomenclature (please tick box and eventually describe)

- ISAG
- Other (please specify)

.....
.....

Number of animals typed with these markers

- in 2013:
- in 2014:
- in 2015:
- in 2016:
- 2017 (estimates ?)



e. Power of exclusion (PE; 1 parent) for the SNP markers used (please send table in a separate file):

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

.....
.....
.....

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

.....
.....

_____ Combined power of exclusion

f. Power of exclusion (2 parents) for the SNP markers used (please send table in a separate file):

Number of animals and breed used for the calculation of PE (2 parents)

.....
.....

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

.....
.....

_____ Combined power of exclusion