

北海道立農業試験場報告

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Embryo sexing by loop-mediated isothermal amplification of trace target DNA
sequences in cattle and water buffaloes

(微量DNA 配列の等温DNA増幅法による牛と水牛の胚の性別判定)

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北海道立畜産試験場

ABBREVIATIONS

AI	artificial insemination
BRY	bovine repeat Y-associated
BSA	bovine serum albumin
CIDR	controlled internal drug release
COCs	cumulus-oocyte complexes
DMEM	Dulbecco's modified Eagle medium
DMSO	dimethyl sulfoxide
DNA	deoxyribonucleic acid
dNTP	deoxyribonucleotide triphosphate
FCS	fetal calf serum
FISH	fluorescence <i>in situ</i> hybridization
FSH	follicle stimulating hormone
G6PD	glucose 6-phosphate dehydrogenase
h	hour(s)
HEPES	4-(2-hydroxyethyl) piperazine-1-ethanesulfonic acid
H-Y	histocompatibility-Y
IU	international units
LAMP	loop-mediated isothermal amplification
min	minute(s)
NT	nuclear transfer
PBS	phosphate buffered saline
PCR	polymerase chain reaction
PGF _{2α}	prostaglandin F _{2α}
PK-TW	proteinase K-tween 20
rBuRY	river buffalo repeat Y-associated
sec	second(s)
rRNA	ribosomal ribonucleic acid
sBuRY	swamp buffalo repeat Y-associated
TALP	tyrode supplemented with albumin, lactate, and pyruvate
TCM-199	tissue culture medium-199
Tris	tris (hydroxymethyl) aminomethane

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北海道職員 博士 (獣医学) 平山博樹 **

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