

Technical Specifications of Jersey Frozen Sex-Sorted Semen (Female)



Particulars	Phidim municipality, Panchthar Requirements	Remarks
Breed	Jersey	फिदिम, पाँचथर कोशी प्रदेश, नेपाल २०७३
Semen Type	Sex-sorted (Female)	
Country of Origin	Australia, Canada, New Zealand, Europe, USA, Denmark, France, Germany, Ireland, Netherland, Sweden, Norway, India (only for imported bull)	
Semen Production	Produced after December 2018	
Sire's Dam's lactation details / performance	Milk Yield: > 6000 Kgs of milk / 305 days lactation by first or second lactation	
	Milk Fat: >310 Kgs of fat/lactation (> 5.1% fat)	
	Milk Protein: >230 kgs of protein/lactation (or (> 4.0% protein) by either first or second lactation	
Sire Line	1.Semen produced bulls should be born from proven sire. - Individual bulls should be born from three (3) Different sire lines and must be unrelated to each other for up to three (3) Generation	
Pedigree (Sire and Dam) Information	- Sire and Dam should be under national data recording system using International Committee for Animal Recording (ICAR) approved or equivalent methods. - Pedigree information for at least 3 generations required	
Semen Collection	Should be collected from bull less than 10 years of age	
Predicted Transmitting Ability (PTA) based on parental records	Milk kg: >150 kg above average	
	Fat kg: >+7 kg above average	
	Protein kg: >+ 6 kg above average	
	Productive Life (PL): Positive (more than average)	
	Somatic Cell Score (SCS) : should be lower than average for the measured source population	
	Beta Casein: A2A2	
	Jersey Udder index (JUI): Must be positive than average for the Mesured Source Population	
	Daughter Pregnancy rate (DPR): Must be positive than average for the Mesured Source Population	
Physical characteristics of semen straw	Frozen straw of 0.25 ml type, leak proof and machine sealed.	
Microscopic parameters of	Motility: more than 50%	

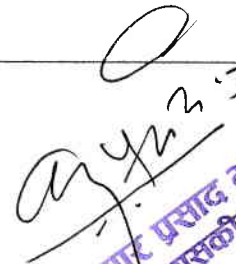
फिदिम, पाँचथर
कोशी प्रदेश, नेपाल

अग्रिम ३१७

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semen (post thawing)	• Number of spermatozoa 4 million/straw or 2 million sex-sorted Female spermatozoa /straw • Female live sperm must be not less than 90% (accuracy of chances of female calves born) • Abnormal sperm must be less than 20%	
Disease Free Status of Sire	• A Certificate issued by competent authority must be provided ensuring the bull for semen collection are free from any infectious and contagious disease potentially transmissible from frozen semen • Sire should be laboratory tested and be negative for Trichomoniasis, vibriosis, Brucellosis, Campylobacteriosis, Leptospirosis, Infectious Bovine Rhinotracheitis (IBR), Bovine Viral Diarrhoea (BVD), Paratuberculosis, CBPP and FMD	
Records / Certificates Included	• Individual records of concerning animals should specify breed, date of birth, identification number of dam and sire • Detailed pedigree record • Health certificate from the relevant government veterinary authorities	
Additional Requirements	• An import permit should be taken from the Department of Livestock Services (DLS) for frozen semen before shipment of the consignment detailing the purpose of the import, source of frozen semen and quantity (number of doses) being imported. • Semen should be brought inside the country by air route only through animal quarantine check post along with official sanitary certificate.	


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 प्रमुख सेवा प्राविधिक


 कुमार प्रसाद मल्ल
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Technical Specifications of Holstein Frozen Sex-Sorted Semen (Female)



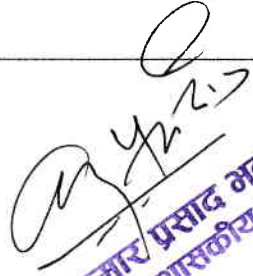
Particulars	Phidim municipality, Panchthar Requirements	Remarks
Breed	Holstein Friesian	
Semen Type	Sex-sorted (Female)	
Country of Origin	USA/UK/Netherland/Denmark/France/Germany/Belgium/Australia/ Canada /New Zealand/Japan/South Korea	
Semen Straw	Produced after December 2021	
Sire's Dam's lactating details / performance	Milk Yield: minimum 10000 Kg in 300 days of lactation	
	Milk Fat: minimum 3.0%	
	Milk Protein: minimum 3.0%	
Sire Line	- Semen produced bulls should be born from proven sire. - Individual bulls should be born from three (3) Different sire lines and must be unrelated to each other for up to three (3) Generation	
Pedigree (Sire and Dam) Information	- Sire and Dam should be registered under national data recording system using International Committee for Animal Recording (ICAR) approved methods. - Original Pedigree information up to three generations required	
Semen Collection	Should be collected from bull less than 10 years of age	
PTA (Predicted Transmitting Ability)	Milk kg: >250	
	Fat kg: > 20	
	Protein: >20	
	Productive Life (PL): > 5.8 yers	
	Somatic Cell Score (SCS):<2.98	
	Beta Casein: A2A2	
	Jersey Udder index (JUI)>6.0	
	Daughter Pregnancy rate (DPR): 2.5-3	
Physical characteristics of semen straw	Frozen straw of 0.25 ml type, leak proof and machine sealed.	
Microscopic parameters of semen (post thawing)	- Motility: more than 50% - Number of spermatozoa 4 million/straw - Female live sperm must be not less than 90% (accuracy of chances of female calves born) - Abnormal sperm must be less than 20%	
Disease Free Status of Sire	A Certificate issued by competend authority must be provided ensuring the bull for semen collection are potentially free transmissible from frogen semen	

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	Sire should be laboratory tested and be negative for Trichomoniasis, vibriosis, Brubelosis, Campylobacteriosis, Leptospirosis, Infectious Bovine Rhinotracheitis (IBR), Bovine Viral Diarrhoea (BVD), Paratuberculosis, CBPP and FMD	
Records / Certificates Included	- Individual records of concerning animals should specify breed, date of birth, identification number of dam and sire. - Detailed pedigree records. - Health certificate	
Additional Requirements	- An import permit should be taken from Department of Livestock Services (DLS) for frozen semen before shipment of the consignment detailing the purpose of the import, source of frozen semen and quantity (number of doses) being imported. - Semen should be brought inside the country by air route only through animal quarantine check post along with official sanitary certificate.	


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