



Sexed Semen

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ULDB & ST GENETICS PARTNERSHIP



AT-DEEP FROZEN SEMEN PRODUCTION CENTRE SHYAMPUR, RISHIKESH

Uttarakhand Livestock Development Board (ULDB)

Uttarakhand Livestock Development Board (ULDB) is a registered body established as per the guidelines of the Central Government under the National Project for Cattle & Buffalo Breeding (NPCBB). The ULDB functions as a nodal agency for the supply of breeding inputs to the Artificial Insemination (AI) centers inclusive of the Department of Animal Husbandry (AHD), Dairy Cooperative Societies (DCS), Paravets of the NGOs. & Private AI Workers. Along with this, the Board also provides natural breeding services for both cattle & buffaloes, by provision of breeding bulls on custodian pattern for natural breeding services.

Deep Frozen Semen Production Centre (DFSPC), Shyampur, Rishikesh

The frozen semen laboratory was established in 1983-84 by the state Government of Uttar Pradesh from plan funds. The centre was transferred to Uttarakhand Livestock Development Board (ULDB) by the government of Uttarakhand in November, 2002 under the National Project for Cattle & Buffalo Breeding and is since being managed by the ULDB.

The total area of the centre is 98.715 acres with 70 acres of fully irrigated land available for fodder production. The centre houses 138 bulls of elite pedigree (imported and farm born) with the annual production capacity of thirty lakh frozen semen doses of different breeds (HF, Jersey, HF crossbred, Jersey crossbred, Murrah, Sahiwal, Haryana, Gir, Badri and Red Sindhi). The centre has a state of the art ISO 9001:2015 certified frozen semen production facility and has been awarded with '**A**' grade status in recent evaluation by the central monitoring unit of government of India, for semen stations in India.

The centre has served as source of elite germplasm to government and private inseminators not only in Uttarakhand but also to breeding service providers in other states of India as well. It has produced 26.3 million semen doses and sold 23.20 million semen doses till date. The list of clients other than Uttarakhand include, the states of Bihar, U.P., Rajasthan, Haryana, Punjab, Himachal, Jammu & Kashmir, Chattishgarh, Kerala, Tamilnadu, Andhra Pradesh, Karnataka, Assam, Gujarat, West Bengal, Orissa, Meghalaya, Madhya Pradesh and Military dairy farms in different corners of India.

Sexing Technologies, USA (ST Genetics)



Sexing Technologies is the worldwide leader in Sexed Semen and Embryo production. Sexing technologies is the pioneer in sex sorting of bovine semen and provide the sex sorting services to other companies in the AI industry across the world and has now started production of sex sorted semen in India from different breeds of cattle and buffaloes.

ST uses the patented “Sex Ultra™ technology that separates the X chromosome bearing (female) sperms from the Y chromosome bearing (male) sperms that results in sex sorted semen containing close to 100% live sperms. Sexed Ultra™ technology also removes the dead and dying sperms before and during the sorting process which makes the sorted semen highly fertile. ST India is now producing high fertility sex sorted semen in India with over 90% female purity, ranging from 90 to 95%, and fertility that matches to that of conventional semen.

Sex Sorted Semen Production at DFSPC, Shyampur, Rishikesh:

The project is first of its kind (in the government sector) in the whole nation, financially supported by government of India under its Rashtriya Gokul Mission scheme. Under the project a new state of the art laboratory has come up at Deep Frozen Semen Production Centre, Shyampur, Rishikesh. This laboratory has started its production in March 2019 and is now producing sexed semen of different breeds of cattle (HF, Jersey, Sahiwal, Red Sindhi, Haryana and Gir) and buffaloes (Murrah). Sexing technologies, USA, who hold the original patent for this technology are technical partners in this endeavor.

Cost of sexed semen irrespective of all breeds, has been fixed Rs 1150 . For farmers of Uttarakhand central subsidy of Rs 390 per dose applicable for indigenous breeds.

The goal of the project is to get an assured supply of sex sorted quality semen, leading to production of more than 90 % female progenies of genetically superior sires and dams, generation after generations, of indigenous breeds.

For any further query on procurement of sexed semen kindly contact at following address:

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Email – ceouldb2019@gmail.com,

Website – www.uldb.org

Mo: 9412341102

2. Additional Manager (Lab) / Project Coordinator (Sexed semen production), Deep Frozen Semen Production Centre, P.O. Gumanwala - 249204, Shaympur, Rishikesh, Uttarakhand.

Email – bhattpuneet@rediffmail.com.

Mo: 9412382003

Annexure – Sire Directory of Bulls engaged in Sexed Semen Production

S.No.	Breed	Bull Id.	Bull Name	DOB	Dam Id.	Sire Id.	Dam's Yield (kg)	Sire's Dam's Yield (Kg)
1	HF	1355	Justin	17.08.2014	DE1403773928	US3009554569	10124	11831
2		96	Charles	08.02.2012	Macintosh Jennilee	Kerndtway Howie	13731	11635
3	JERSEY (100 %)	55	Raghav	06.10.2011	Lancerest Augustus	Haven senior	8484	7542
		154	Caesar	26.09.2012	Lancerest Augustus	SHF centurian sultan	8484	7661
4		650	SUNNY	08.04.2016	1989802995	VI Rodme Nygaard Hubert Rodme	8066	7298
5		655	DANNY	12.12.2015	1891401902	VI Rodme Nygaard Hubert Rodme	7830	7298
6		675	Peter	10.10.2016	CANF106793131	CANM105760841	6320	7557
7		680	James	11.11.2016	CANF105507027	CANM105760841	7567	7557
8	Sahiwal	29	Angad	02.12.2011	59	Saras	4112.79	-
9		160	Samar	05.06.2014	1273	SAMMY -5	3182	-
10		145	Jagdev	21.06.2014	1146	SAMMY -6	3108	-
	Murrah	400	Anmol	06.01.2012	891	SPK-2	4351	3800
11		401	Indra	26.08.2011	514	R-1	4728	3700
12		404	Lee	27.12.2011	877	SPK-2	4410	3800
13	Red Sindhi	235	Jango	16.07.2012	246/408	Ronak	4388	2674
		245	Riddick	26.04.2012	231/307	180	4068	3026
14		250	Jigar	02.02.2014	246/408	Ronak	4388	2674
15	CB HF	885	Hansie	20.06.2013	340011805633	SAG-JIGAR	4572.92	-
16		955	Akbar	19.05.2014	340004051058	SAG-Maha	5654.31	-
		960	Bheem	08.06.2014	2	Annora	5725	-
17	HARIANA	30	Gora	02.03.2015	160004376787	ABC-HY-412	2785.86	
18	GIR	15	Rustom	16.03.2016	340077601065	SAG-GONDALIYO	3418.55	-