



A short insight into Bull semen and cost effective analysis using python 3.7

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ABSTRACT :

Human body is required to work under tedious situations many a times. A brief review on animal semen helps humans to work in super conditions from dirt, dust to dawn. A safe and proven knowledge on animal semen help people to stay safe healthy without fear. So, this work is intended to give a complete glance on animal semen its applications, extraction equipment's and process, old age longevity & cost effective analysis from various semen extracting companies. We have found out that from around 49 semen's of the bulls of 6 companies; conventional ABS bull semen costed 40 rupees the least where as for sexual VIKING BULL semen costed around 4000 rupees and the ABS bulls were JAMES, ALEX, PRANAV, KEVIN and the sexual VIKING BULLS are VH ALLUSIO X-VIK SEXED and VH SPA PP X- VIK SEXED. The results were tested and found out using Python 3.7 software and Microsoft excel charts. This research is substantial in the fields of longevity helping to increase the standards of life among all classes and races over the countries.

Keywords: Animal semen, Extraction equipment's, old age longevity, applications & cost effective analysis.

1. Main text

Many research equipment in market helps to extract animal semen with good and high quality [1-2]. Animal semen from dogs, goat, buffalo to horse are available at a cheaper and affordable prices for a good and high-gene health conditions without any fear of health illness [2-5]. So, this research in the fields of longevity suggests a reader with the domain under the subsets of animal semen its applications & cost. Extraction equipment's and process, old age longevity.

2. Animal Semen

Animal semen is the sperm jelly obtained from a male animal. The semen contains antioxidants, calcium, zinc, & minerals of all kinds. The semen treated as super food helps to get strength and immunity for a longer period.

1. Applications:

The availability of testosterone levels in micro ranges helps to increase the immunity of a human body [5].

2. Cost:

The cost of the semen varies for the veterinary animals from 500 INR to around 1500INR from the Indian semen product distributors [3-4]

3. Extraction process and equipment

Artificial insemination is performed with a stainless steel AI gun, water bath and disposable items like lubricants and gloves. Fig.1 Shows artificial insemination process where the rectal glove in cervical dilator with constant temperature and vibrator with to and fro movement along rectal side to generate semen from uterine horn. The generated semen is collected in liquid nitrogen container tested and obtained at the available rates.

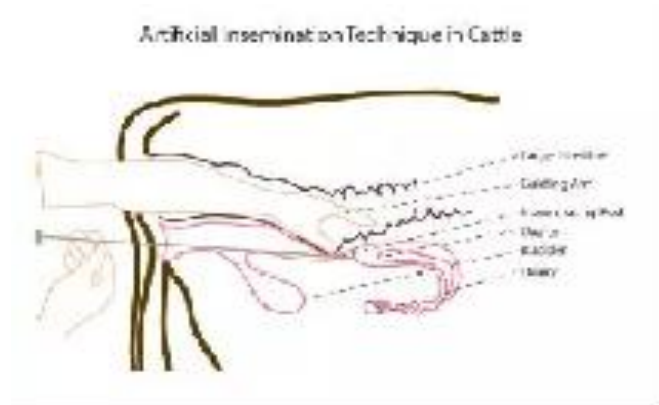
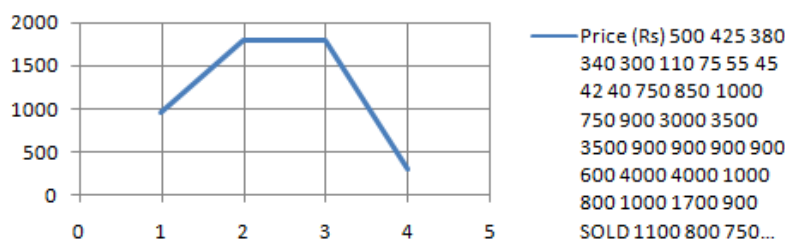


Fig. 1 - Artificial insemination process

4. Cost effective analysis using python 3.7

**Price (Rs) 500 425 380 340 300 110 75
55 45 42 40 750 850 1000 750 900
3000 3500 3500 900 900 900 900 600
4000 4000 1000 800 1000 1700 900...**



```
>>> list = [500, 425, 380, 340, 300, 110, 75, 55, 45, 42, 40, 750, 850, 1000, 750, 900, 3000, 3500, 900, 600, 4000, 800, 1700, 1100, 1200, 1500, 950, 1800]
>>> print("The Smallest number in the list is:",min(list))
The Smallest number in the list is: 40
>>> print("The Largest number in the list is:",max(list))
The Largest number in the list is: 4000
>>> list = [500, 425, 380, 340, 300, 110, 75, 55, 45, 42, 40, 750, 850, 1000, 750, 900, 3000, 3500, 900, 600, 4000, 800, 1700, 1100, 1200, 1500, 950, 1800]
>>> list.sort()
>>> print(list)
[40, 42, 45, 55, 75, 110, 300, 340, 380, 425, 500, 600, 750, 750, 800, 850, 900, 900, 950, 1000, 1100, 1200, 1500, 1700, 1800, 3000, 3500, 4000]
>>>
```

Fig. 2a & 2b - Range of cost for the semen companies & Python program in 3.7

The conventional and sex semen cost price data for the companies Sag, Vikings, Cri, World Wide Sires, Abs is collected and 49 samples cost analysis is conducted using M.S excel & python software. In order to check range of prices we used excel 32 bit with inbuilt features and found out from Fig.2a that most of the costs steeps from 1000rs to 1500 and slopes to 200rs.

We used python software to check the maximum and minimum values and ascending order values of the prices as shown in Fig.2b. For obtaining the results we used max function as max(list) method and list.sort() method for ascending orders. The program is also conducted for minimum and maximum values of prices.

5. Results

Table 1 – Cheap and costly semen for the semen companies

Bull name	Company	Cost
DISCOVERY,STRATEGY,CARLSON	ABS	42
JAMES, ALEX, PRANAV, KEVIN	ABS	40
VH ALLUSIO X-VIK SEXED	VIKING	4000
VH SPA PP X-VIK SEXED	VIKING	4000

Bulls under ABS varied from DISCOVERY to KEVIN; as shown in Tab.1 the same sets of bulls and semens are categorized and conventional process is performed to obtain the substantial prices; where as sexed semen is collected by some companies like VIKINGS apart from conventional they priced too huge in the markets of India. For conventional (individual bull) ABS Bulls costed around 40 & 42 rupees as shown in the table.1 above. And for the Sexed Vikings costed around 4000 rupees from around 49 sample semen's of Sag, Vikings, Cri, World Wide Sires, Abs.

6. Conclusions

Old age requires regeneration of all the human body and to avoid degradation of human system. One of the best food to consume is animal semen which controls the testicles drying and hardness. Also, this food regenerates the testicle and over all performance of the human body in a thorough manner. The longevity research helps to increase the standards of life among all classes and races over the countries and helps the rate of life in 80 years with a good nurtured manner.

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