



VET EXPERT

BASED ON EVIDENCE

Contact Us For More Information - +91 88000 18535, +91 88000 18539,

Email – Info@vetexpert.in,

www.Vetplanet.net

SemeVet 160 mg

❖ Indications:

This supporting product is recommended for male dogs intended for breeding, in particular for dogs with poor quality sperm caused by various factors.

❖ Content: dry yeast, Evening-primrose, Vit. E

SemeVet – How it works?

- The product contains organic selenium
- The highest bioavailability among all the selenium sources
- The organic selenium comes from selenium yeasts *Saccharomyces cerevisiae*



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SemeVet – How it works?

- Selenium is necessary for normal functioning of enzymes called selenoproteins.
 - **Selenoprotein V** occurs only in testes and probably plays an important role in spermatogenesis
 - Selenoprotein P is necessary for normal spermatozoa development and normal dogs fertility.
 - Organic selenium administration increases the total spermatozoa number in ejaculate, decreased the occurrence of spermatozoa defects and improves the integrity of spermatozoa cell membrane in dogs
- Polyunsaturated fatty acids **omega-6 (evening primrose oil)**
 - Important structural element of spermatozoa cell membranes.
 - Its administration increases the volume of ejaculate, increase the viability and number of spermatozoa, decrease the number of defected spermatozoa
 - The use of polyunsaturated fatty acids omega-6 together with vitamin E prevents from oxidative stress in spermatozoa what improves its survival.

Semevet – Data on file

	dog A	dog A	dog A
	I	II	III
Day of examination	3.10	28.10	28.11
Consistency / colour	milky	milky	milky
volume (ml)	1.4	1.4	1.4
concentration (M/ml)	195.2	233.7	259.6
Total number of spermatozoa	273.28	327.18	363.44

	dog C	dog C	dog C
	I	II	III
Day of examination	23.09	28.10	1.12
Consistency / colour	Milky – yellow	Milky	Milky – watery
volume (ml)	1.7	1.8	1.5
concentration (M/ml)	139.0	136.6	216.2
Total number of spermatozoa	236.3	245.88	324.3

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SemeVet - Dosage

- The product should be administered for at least 60 days.
BUT
- Spermatogenesis in dogs lasts around 80 days
- Such a supplementation is encouraged
- The supplementation should start about three months before breeding season

