

Total Canine Care™



Canine Artificial Insemination (AI) Kit (5.75 in / 10ct.)

TOY-SMALL DOG BREEDS



**EASY-
TO-USE-
DEVICES**

• Contents •

- **10X** Toy-Small Dog Breed Insemination Tubes (5.75 Inches)
- **10X** Sterile Syringes (20 mL)
- **10X** Lubrication Pouches
- **10X** Nitrile Gloves
- **1X** Insemination Assembly Guide

• Distributed By •

MR Diagnostic Services LLC

Address: 5900 77th Street

Kenosha, WI 53142

Email: support@K9P4go.com

Website: www.caninep4.com

• Intended Use •

Total Canine Care™ Canine Artificial Insemination (AI) Kit is a collection of single-use, disposable materials designed to aid in the common artificial insemination practices for toy-small breed canine reproduction purposes.

• Pre-Insemination Sperm Quantities •

It is recommended to know the differences that could occur in each canines semen collection prior to insemination. Primarily, the total semen volume collected can vary by size of breed, collection frequency, specific fraction collection, and other variable such as male reproduction health. Specifically, the sperm-rich fraction can vary as much as 0.5 mL to 10 mL per collection. Therefore, listed below are the general estimated semen collection volumes based on size of dog:

Toy-Small Breeds : Weight: < 20 lbs. Est. Semen Volume.: 1-2 mL

Small-Medium Breeds : Weight: 20 - 55 lbs. Est. Semen Vol. 10-15 mL

Large Breeds : Weight: 55-110 lbs. Est. Semen Vol. 20-30 mL

• Pre-Insemination Sperm Measurements •

For optimal results, your canine sperm sample is recommended to have the following parameters:

Motility : 70% or greater forward progressive motility.

Morphology : 90% or greater normal morphology.

Per Insemination : 200 million total motile, healthy sperm per insemination.

Per Ejaculation : 300 million to 2 billion total sperm count.

Example: Raw counts of 300 million per mL and then you dilute it with 1:3 parts with extender, your extended concentration is 75 million per mL.

Overall, in 10 mL total sperm + extender volume would contain 750 million total sperm cells.

• Directions for Use •

Step 1 Collect semen into a clean, sterile cup or tube. Collect a minimum of 1-2 mL raw semen. Make sure to collect the sperm-rich fraction (thick, creamy, and white in appearance). Discard the clear prostatic fluid (clear and watery) and pre-ejaculate fractions. Allow semen to sit for 10-15 minutes for sample to liquefy (*optional: centrifuge at low speeds to create a dense sperm bead*). The use of a teaser bitch may aid in collection and male inclination.

Step 2 Mix with extender at like temperatures and at your preferred or manufacturer recommended ratio. We recommend CaniPlus AI Extender. Do not use water, or rubber products as these can damage or kill the sperm cells.

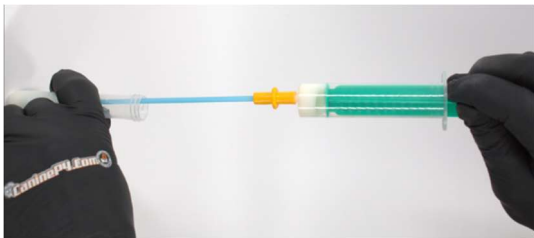


• CONTINUED: Directions for Use •

Step 3 Secure AI tube to the tip of the syringe. Depress syringe to the bottom position, then insert into semen sample.



Step 4 Draw up semen slowly and gently into syringe. Syringe should be in the open extended position with your desired amount of semen + extender mix in the syringe. Use all plastic semen-safe syringes (as included in your kit) for the semen. Do not use syringes with rubber stoppers.



• **CONTINUED: Directions for Use** •

Step 5 Lightly lubricate the AI tube with the included single-use lubricant jelly. Avoid getting lubricant on the opening at the end of the straw as this could impede movement of the sperm. *(Optional: make sure the bitch is safely secured with her hind end elevated).*



• CONTINUED: Directions for Use •

Step 6 Gently insert the AI tube, moving the tip inwards, then slightly upwards in a horizontal semi-circular clock-wise motion (starting at 9 o'clock position and ending at a 12 o'clock position). If and when you feel resistance, do not force the tube any further. Back the tube out at least $\frac{1}{2}$ inch (*Warning! Avoid entering the urethral opening at the 6 o'clock position*).

Step 7 Gently depress the syringe and deposit the semen. Slowly and carefully remove the AI tube from the bitch. About 10-20% of the total volume will remain in the AI tube.

Step 8 Mimic a tie using your finger on the bitches rear or some other form of artificial penis.

Step 9 Allow the semen to travel and be contracted into the uterus for approximately 10 minutes. Positioning your bitch at a slight decline is recommended to aid the sperm in moving past the vaginal canal into the uterus.

• Online Resources •

www.akcchf.org/educational-resources/podcasts/podcasts-transcripts/semen-collection.html

www.vet-etc.com/vetstream/canine-labtest-semenevaluation-lab00340/

www.intechopen.com/chapters/16099

• **Step 4a:** Re-Order
by Scanning the QR Code



• **Step 4b:** Re-Order
by Downloading the App



• **Step 4c:** OPTIONAL Re-Order by Visiting our Website

WWW.CANINEP4.COM

• **Reorder Parts/Products** • **Kit Sizes**

- Total Canine Care™ Canine Artificial Insemination Kit
Toy Small Breed (5.75 inch) 10ct.
- Total Canine Care™ Canine Artificial Insemination Kit
Small-Medium Breed (7.75 inch) 10ct.
- Total Canine Care™ Canine Artificial Insemination Kit
Large Breed (11.375 inch) 10ct.
- Total Canine Care™ Semen Collection Kit 10ct.
- PetCount™ Sperm Quality Test for Dogs 1ct.
- CaniPlus™ CHILL LT Sperm Extender, Long-Term (10 Days) Chilled Culture Medium for Canine Semen 1ct.
- CaniPlus™ CHILL ST Sperm Extender Short-Term (5 Days) Chilled Culture Medium for Canine Semen 1ct.
- CaniPlus Freeze One-Step, Extender for Canine Semen Freezing.. 1ct.
- Canine Express Disposable Semen Shipper..... various see website.

• **Warranty Disclaimer** •

For animals only. Not for use in humans. Keep out of reach of children. Intended for veterinary use only. Do not freeze. Store at room temperature. Keep out of direct or artificial sunlight. User (or Purchaser) is responsible to observe all applicable local, state, or federal law and bear all risks therefor. User shall dispose of all sharps in authorized waste containers, as identified by User's local trash removal services or health departments. Please consult local phone or internet directories for the correct information and disposal guidelines. Do not dispose sharps in standard trash.

MRDS, as Manufacturer, warrants the kit for its intended veterinary product use and will replace any defect product purchased by User upon MRDS' receipt of timely written notice by User. This shall be Users exclusive remedy and User shall not be entitled to additional or further compensation or cost.

MRDS is not responsible for pre-existing conditions (even if manifest during use of the products), abnormal response to product use not caused by defect product including but not limited to, aggression, anxiety, and destructive and/or compulsive behavior. MRDS is not responsible if death or euthanasia occurs in your pet because of illness, injury or because of behavior or emotional disorder, including stress induced ovulation losses.

Total Canine Care™ is a trademark of MR Diagnostic Services LLC. Any use or misrepresentation without the prior written permission is strictly prohibited.

Copyright © 2023 by MR Diagnostic Services LLC

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of MRDS. The information in this document is correct at the time of printing. However, MRDS reserves the right to make any necessary changes at any time without notice as our policy is one of continuous improvement.