VetMotl®, Inc.

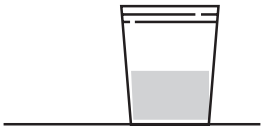
MULTI (3mL)

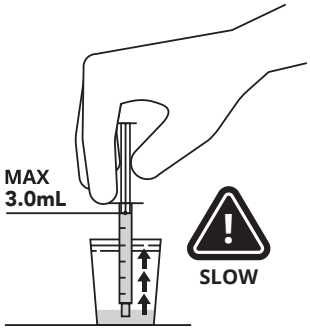
Equine Sperm Separation Device | VME3000

INSTRUCTIONS FOR USE

EQUINE LOW DOSE AI

FRESH OR FROZEN-THAWED SEMEN

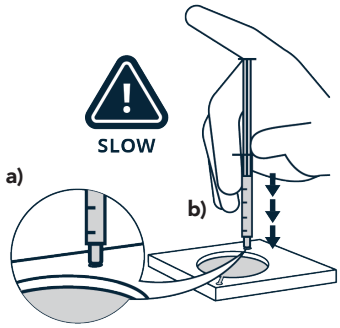


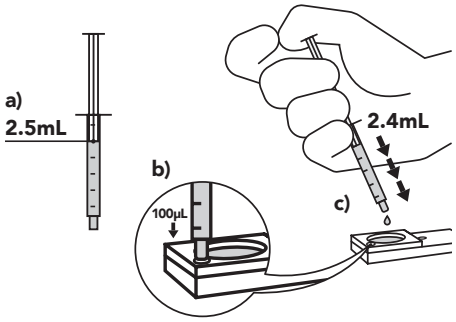


1 Place device in a Petri dish.
Fresh: Warm semen and extender/media to 37°C.
Frozen: Thaw frozen semen at 37°C for 30 seconds. Warm appropriate extender/media to 37°C.

2 IMPORTANT: Keep sample, media and extender at 37°C throughout procedure.

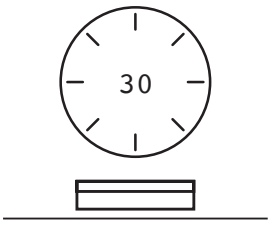
Use 5mL semen-safe syringe to draw 3mL aliquot of warmed, extended semen.

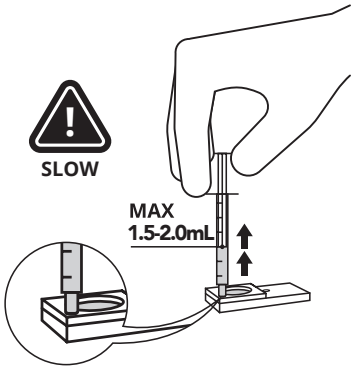


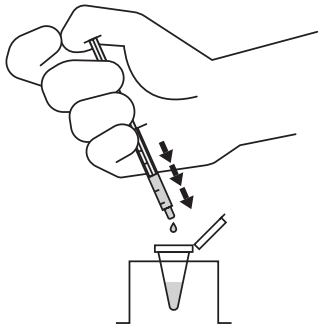


3 a) Achieve seal in the inlet port.
b) Slowly inject 3mL of sample.

4 a) Draw 2.5mL of warmed media/extender.
b) Prime outlet channel with 100µL.
c) Cover upper membrane with remaining 2.4mL.







5 Place cover on Petri dish and device.
Incubate at 37°C for 30 minutes.

6 Insert a fresh 5mL syringe into the outlet port.
Slowly aspirate 1.5-2.0mL of sperm-containing sample.

7 Extend or freeze per standard practice.

VetMotl® Multi (3mL) Sperm Separation Device
VME3000 Equine
Equine ART Procedure: Low-Dose AI

FRESH SEMEN

IMPORTANT: Keep semen sample, extender, and media at 37°C throughout the entire procedure. This is extremely important; all materials must remain warm throughout the procedure.

1. Place the device in a Petri dish. Warm the semen and the extender/media to 37°C.
2. Use a fresh 5mL semen-safe syringe to draw a 3mL aliquot of semen. Ensure there are no air bubbles in the syringe. Ensure there is a minimum of 3mL of semen to fill the lower chamber of the device to avoid air gaps between the lower chamber and the membrane.
3. Achieve a seal in the inlet port and apply slow and steady pressure to inject the 3mL, 37°C semen sample into the lower chamber via the inlet port.
4. Use a fresh 5mL semen-safe syringe to draw 2.5mL of 37°C warmed extender/media. We recommend an extender/media that is compatible with your procedure.
    a) Prime the outlet port with 100µL of extender/media until a small pool forms on top of the membrane in the outlet port.
    b) Dispense the balance of the extender/media onto the surface of the upper membrane by dropping from approximately 2cm above the membrane. Completely cover the upper membrane. Do not touch the membrane. Do not tilt the device to spread the extender/media.
    c) Gently tease out any air bubbles. Avoid penetrating the membrane.
5. Place the cover on the Petri dish and device. Incubate at 37°C for 30 minutes.
6. Insert a fresh 5mL syringe into the outlet port, achieving a firm connection. Very slowly aspirate 1.5-2.0mL of the sperm-containing fluid from the top chamber. Avoid aspirating too quickly, or with too much pressure, as this can pull unwanted material from the lower chamber through the membrane into the clean sample.

Sample is ready for use.

7. Extend or freeze per standard procedure.

FROZEN-THAWED SEMEN

IMPORTANT: Keep semen sample, extender and media at 37°C throughout the entire procedure. This is extremely important; all materials must remain warm throughout the procedure.

1. Place the device in a Petri dish. Thaw frozen semen at 37°C for 30 seconds. Warm the extender/media to 37°C.
2. Use a fresh 5mL semen-safe syringe to draw a 3 mL aliquot of thawed semen. Ensure there are no air bubbles in the syringe.
3. Achieve a seal in the inlet port and apply slow and steady pressure to inject the thawed 3mL, 37°C semen sample into the lower chamber via the inlet port.
4. Use fresh 5mL semen-safe syringe to draw 2.5mL of warmed extender/media. We recommend an extender/media that is compatible with your procedure.
    a) Prime the outlet port with 100µL of extender/media until a small pool forms on top of the membrane in the outlet port.
    b) Dispense the balance of the extender/media onto the surface of the upper membrane by dropping from approximately 2cm above the membrane. Completely cover the upper membrane. Do not touch the membrane. Do not tilt the device to spread the extender/media.
    c) Gently tease out any air bubbles. Avoid penetrating the membrane.
5. Place the cover on the Petri dish and device. Incubate at 37°C for 30 minutes.
6. Insert a fresh 5mL syringe into the outlet port, achieving a firm connection. Very slowly aspirate 1.5-2.0mL of the sperm-containing fluid from the top chamber. Avoid aspirating too quickly, or with too much pressure, as this can pull unwanted material from the lower chamber through the membrane into the clean sample.

Sample is ready for use.

7. Extend or freeze per standard procedure.