
Laboratory
Equipment for IUI
Procedures



About Us:

At Vardhman Medicare Pvt. Ltd., we promise to support the doctors in setting up their infertility clinics (IUI, IVF, and ICSI Laboratories), including providing all the essential equipment, disposables, and consumables. We also assure to cater to our customer's specific/individual requirements regarding their infertility clinics.

We have been working since 1999, with our head office in New Delhi, India. Over the past two decades, we have successfully assisted in setting up 700+ IUI and IVF labs across India. We are currently associated with 11 reputable companies to distribute their high-quality products globally.

Scroll below to know about all the equipment we provide! We hope to connect with you soon! !

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*Magnus
(Olympus):
MLX-B.PLUS*

Binocular Compound Microscope

To perform microscopic analysis of semen, including analyzing sperm's motility, concentration, count, and morphology.

- | | |
|------------------------|--|
| 1. Objectives: | 4X, 10X, 40X, and 100X objectives with additional 20X objective; |
| 2. Eye Piece: | 10X; |
| 3. Light Source Type: | LED; |
| 4. Mounting Hardware: | Warranty Card, Dust Cover, Working Manual; |
| 5. Material: | Die Cast aluminum; |
| 6. Batteries Required: | No; |
| 7. Dimensions: | 31 x 35 x 48 cm (W x D x H) |

Centrifuge Machine (R -4C)

To separate heterogeneous components of mixtures/samples based on each component's densities; Used for routine work in medical and industrial laboratories including, hormonal assays, semen washing, or preparing embryo biopsy samples.



*Remi International:
R-4C*

- | | |
|------------------------|--------------------------------------|
| 1. Capacity: | 8 x 15 ml; |
| 2. Speed: | 4400 RPM; |
| 3. Head Type | Swing-out Head; |
| 4. Timer: | 0-60 minute digital countdown timer. |
| 5. Package Dimensions: | 330 x 370 x 295 mm (W x D x H); |
| 6. Others: | Digital speed indicator; |



*Remi International:
R-8C*

Centrifuge Machine (R -8C)

To separate heterogeneous components of mixtures/samples based on each component's densities; Used for routine work in medical and industrial laboratories including, hormonal assays, semen washing, or preparing embryo biopsy samples.

- | | |
|------------------------|--------------------------------------|
| 1. Capacity: | 8 x 15 ml; |
| 2. Speed: | 5250 RPM; |
| 3. Head Type | Swing-out Head; |
| 4. Timer: | 0-99 minute digital countdown timer. |
| 5. Package Dimensions: | 365 x 415 x 350 mm (W x D x H); |
| 6. Others: | Digital speed indicator; |

Laminar Air Flow (IUI)

To maintain a sterile environment while preparing sperm samples and handling media.

1. **Size:** 2' x 2';
2. **Airflow:** Vertical Airflow;
3. **Manufacturing material:** M.S. CRCA powder-coated body and Stainless Steel table top;
4. **Filters:** 33 um pre-filter, 0.3um HEPA filter
5. **Light Type:** Day Light and UV Light;
6. **Blower** Imported blower motor



Vardhman (VMPL)

Test Tube Warmer

To maintain a controlled heating environment while performing IUI procedures; Helpful in distributing heat evenly, minimizing temperature variations, and ensuring consistent heating of your samples.

- | | |
|---------------------|--|
| 1. Controller type: | Digital temperature controller; |
| 2. Aluminum Block: | 3 anodized blocks with straight and angular holes; |
| 3. Capacity: | 15 Tubes; |
| 4. Material: | M.S/Stainless Steel |



Vardhman (VMPL)

Biological Digital Incubator

To provide a suitable environment for the semen samples by maintaining an optimal temperature, humidity, and CO₂ and oxygen level in the atmosphere inside the incubator.

1. **Internal Size:** 14" x 14" x 14";
2. **Controller type:** Digital temperature controller;
3. **Capacity:** 40 litres;
4. **Material:** M.S body; Inner chambers of Stainless Steel



Vardhman (VMPL)



*Sefi Medical Instruments
(Israel):
Makler*

Sperm Counting Chamber

For pre wash and post wash semen analysis under a microscope.

1. **Depth:** Has a depth of 10 microns;
2. **Grid:** Built-in grid (on the cover glass);
3. **Usage:** Repeated use with complete accuracy without calibration

Others



Anti-Vibration Table

To significantly reduce vibrations and disturbances while performing IVF and ICSI procedures.

- 1. Leveling Method:** Leveling Jack with anti vibration pads for clearing floor errors;
- 2. Material:** M.S powdered coated with stainless steel top
- 3. Dimensions:** 4' X 2.5' X 2.5' (W x D x H);
- 4. Maximum Load:** 90 kg

Stainless Steel Table

To keep all IUI and IVF Lab requirements, including CO2 incubator, ICSI machine, Centrifuge, Heating blocks, etc.

- **Material: Stainless Steel;**
- **Dimensions: According to the individual dimensions of each machine;**



Vardhman (VMPL)

Others

VOC Meter

A device that is highly sensitive to VOC and other indoor contaminative gases; Helpful in detecting indoor air quality in real-time, with an alarm monitoring system.

- Temperature and humidity detection display;
- Three color backlit LCD and buzzer alarm;
- 1 on/off output to control ventilator;
- Modbus RS485 interface (optional)



Vardhman (VMPL)

Thermometer

To verify that any heated equipment, which comes into contact with the samples, is performing as required

1. Range: -270 to 1768 °C;
- 2, Resolution: 0.1 °C/°F;
3. Accuracy: ± 0.2 °C ± 1 digit;
4. Sensor Type: Thermocouple type K, J, T, R, N, S & E - selectable;
5. External Dimensions: 35 x 73 x 141mm (W x D x H);

Others



*Electronic Temperature
Instruments Ltd.: 221-091*

Others



*Euro-gas:
CO2-SS-20*

CO2 Analyser

To measure, verify and validate CO2 levels in CO2 incubators, in medical departments, research and laboratories. The product is also utilized by field service engineers to repair, validate and calibrate CO2 incubators and equipment

- 1.0 – 20% volume CO2 measurement range;
2. Easy-to-use large color touch screen which can be operated if wearing gloves;
3. Weighing only 315g and with a comfortable handheld case;
4. Built-in flip-out tilting stand
5. USB charging feature



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