



# **VELAMMAL MEDICAL COLLEGE**

## **HOSPITAL AND RESEARCH INSTITUTE**

### **MADURAI - 625009**

#### **3.2.1**

#### **Incubation Centre and Facilities Available**

##### **Standard Operating Procedures**

The Incubation Centre will provide a platform for young entrepreneur, researchers and academicians for their general development, right from clinical training to personality development, maximizing the possibilities of success in the competitive market. The incubates acquire confidence through a variety of practical tasks, interactions with experts and group talks from other incubation sites across India, which will help them broaden their horizons.


The planned incubation facility will foster invention and promote entrepreneurial skills among students, teachers, and local residents. It will promote inter-disciplinary study and provide incubation space for companies and aspiring businesspeople.

##### **Aim**

The main goal of this innovation and incubation facility is "to encourage students and faculty members to develop novel concepts into commercial products and to bridge the gap between industry and academia." Simultaneously, assistance will be provided to secure the students' concepts as patents. **VISION & MISSION**

##### **Vision**

To foster a culture in which intellectual property and invention stimulate imagination and innovation for the advantage of all in order to progress healthcare research, arts and culture, traditional knowledge, and biodiversity resources.

  
Prof. T. THIRUNAVUKKARASU, M.D., D.A.,  
Dean  
Velammal Medical College Hospital  
and Research Institute  
"Velammal Village"  
Madurai-Tuticorin Ring Road  
Anuppanadi, Madurai, T.N.-625 009





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### **Mission**

Identifying potential pupils and providing them the chance to nurture creativity and novel ideas through competitions and brainstorming. Investigating innovative and creative thoughts, ideas, or concepts from students, researchers, and staff members from various societal areas.

To encourages enterprise and improves socioeconomic development, as well as improving access to healthcare, food security, and environmental protection, among other important social, economic, and technical areas for the benefit of India and society as a whole.

### **Philosophy:**

The centre is based on the concept of stimulating ideas, incubating and commercializing scientific and technological innovations for economic growth.

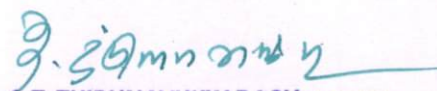
### **Objectives**

The Primary Goals of the Incubation Centre

1. Promote creativity, idea generation, and product development among students and teachers.
2. Provides a starting money for the development of a concept into a product.
3. Organizes entrepreneurship seminars for students and teachers.
4. Assist in the patenting procedure
5. Strives to produce patentable concepts each year.
6. Facilitates at least two innovative socially important goods
7. Entrepreneurship with Pharmaceutical and Biotechnology Firms.

### **Facilities**

The amenities include designated well-designed work/office spaces with flexible occupancy - independent or co-working spaces - as well as independent cabins to house start-ups with 3-4 person teams.

  
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The building has meeting spaces for guests and start-ups, as well as a general conference room with a projector and audio/video conferencing capabilities. Computer with high-speed internet and Wi-Fi, as well as access to a large digital library. It provides assistance services such as printing, copying, and scanning. Access to over 1000 Books in the library, many research articles, original articles, review articles, and special case Reports from various fields.

## **Advisory Committee**

The Advisory Committee sets policy, provides funds, and supports the Centre's development projects on a regional and global scale. The following people serve on the Centre's Advisory Committee:

SL. No.	Name	Designation	Role
1.	Dr. T. Thirunavukkarasu	Dean	Chief Mentor
2.	Dr. Rajkishore Mahato	Professor I/C	Convener
3.	Dr. R. Siva Ganesa Karthikeyan	Co-Ordinator I/C	Member

## **Leadership**

The Centre is administered by a director, who is in charge of day-to-day. The Director, in particular, offers strategic, management, and practical guidance at the central, including regular activity planning, creation, and execution of central policies, procedures, and action plans. In addition, the Director coordinates talent searches, connects industry mentors/collaborators and innovators/incubators, and develops financing proposals for Centre activities as well as manages supported projects and initiatives.

**Prof. T. THIRUNAVUKKARASU, M.D., D.A.,**  
*Dean*

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**Facilities available in the incubation centre**

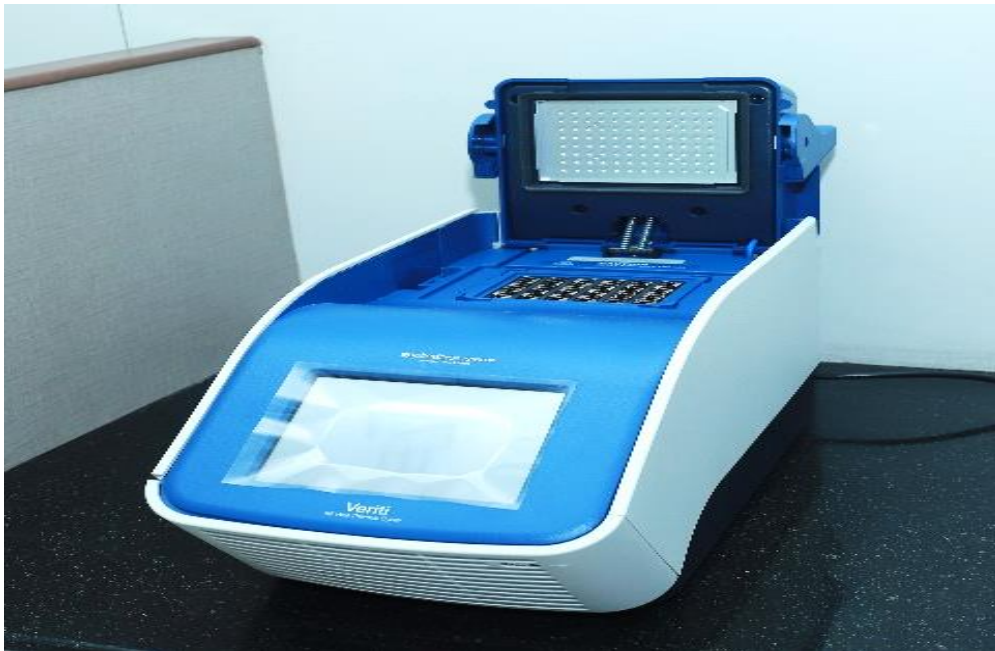


**Separate room fitted with Laminar airflow chamber for Molecular reagent preparation and high-speed cooling centrifuge for nucleic acid exaction**





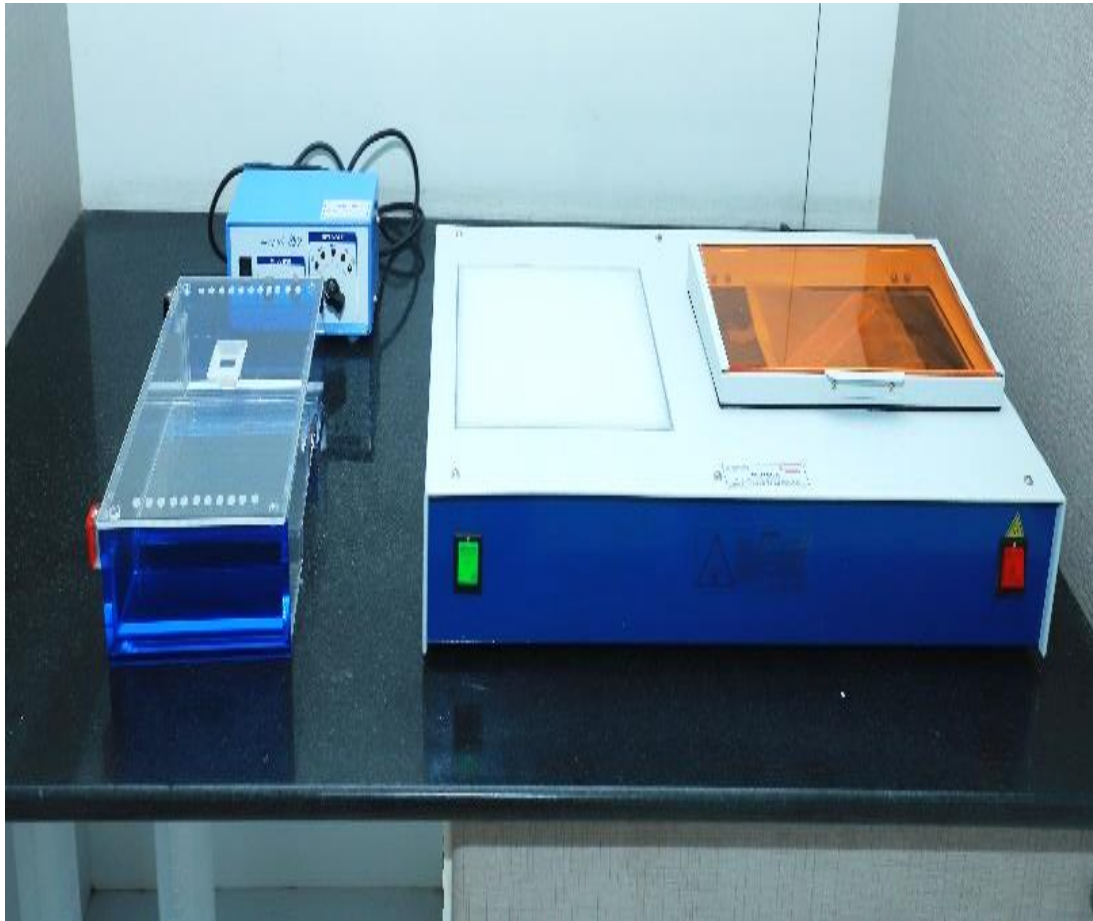
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**Conventional PCR machine and Real Time PCR machine with dedicated laptop for real time data analysis and report generation**



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**Agarose gel electrophoresis and UV-transilluminator apparatus for the PCR post processing.**



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### Central Research Facility







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### Laminar Flow System



### Biosafety Cabinet



### DNA/RNA automatic extractor

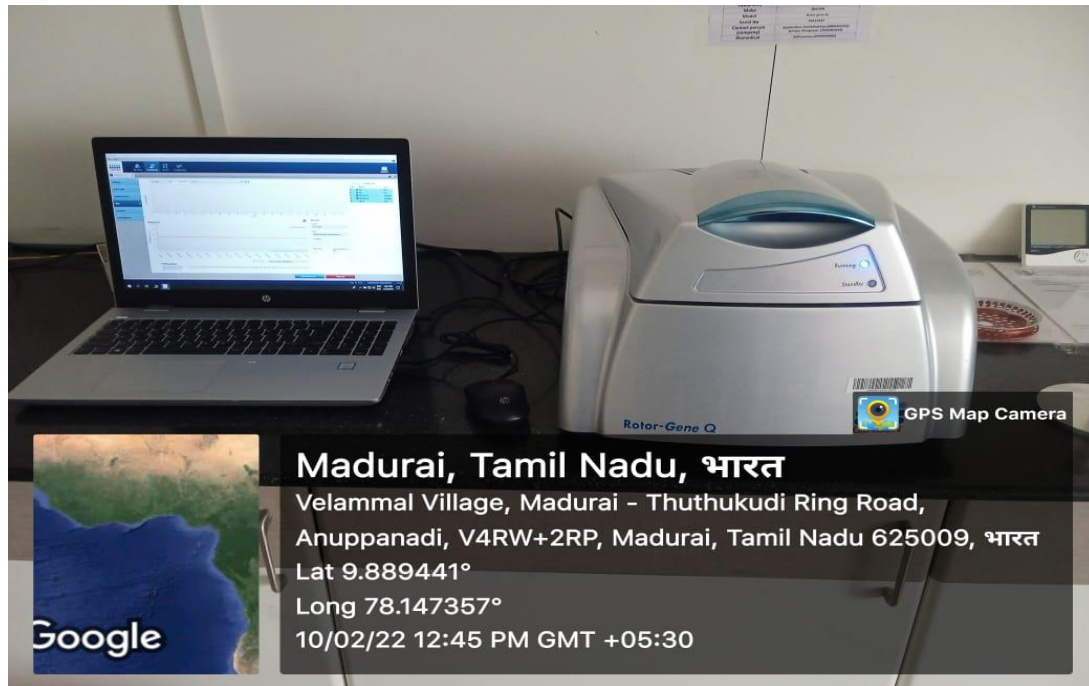




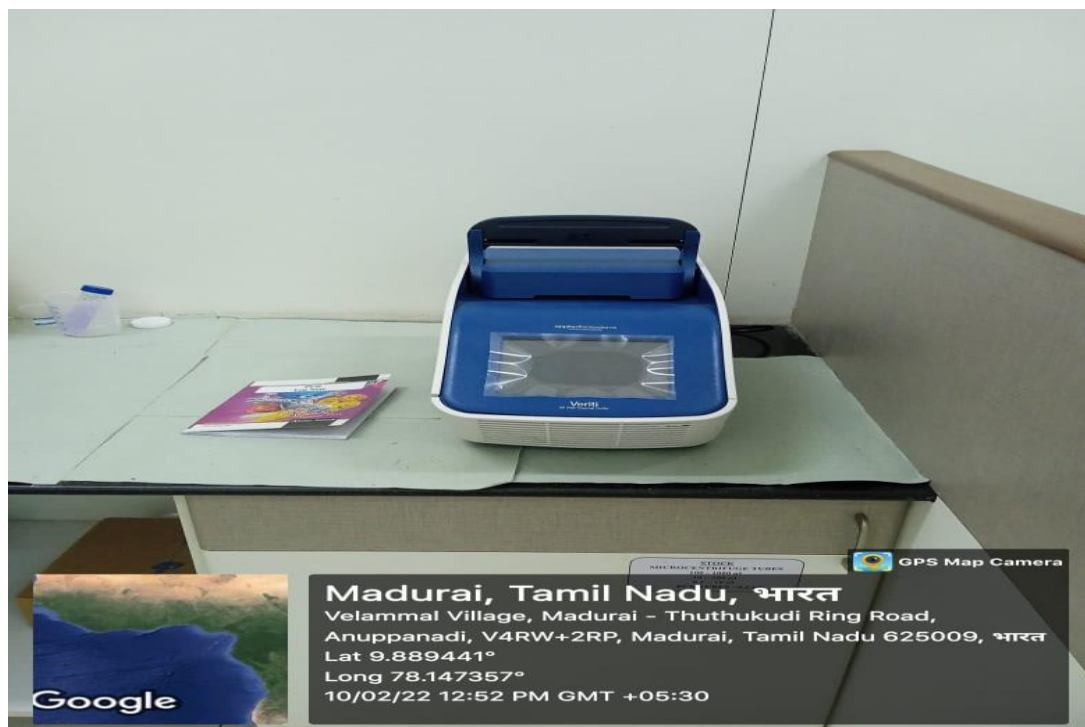
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QRT-PCR



PCR



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### Agarose Gel Electrophoresis



### UV-Transilluminator





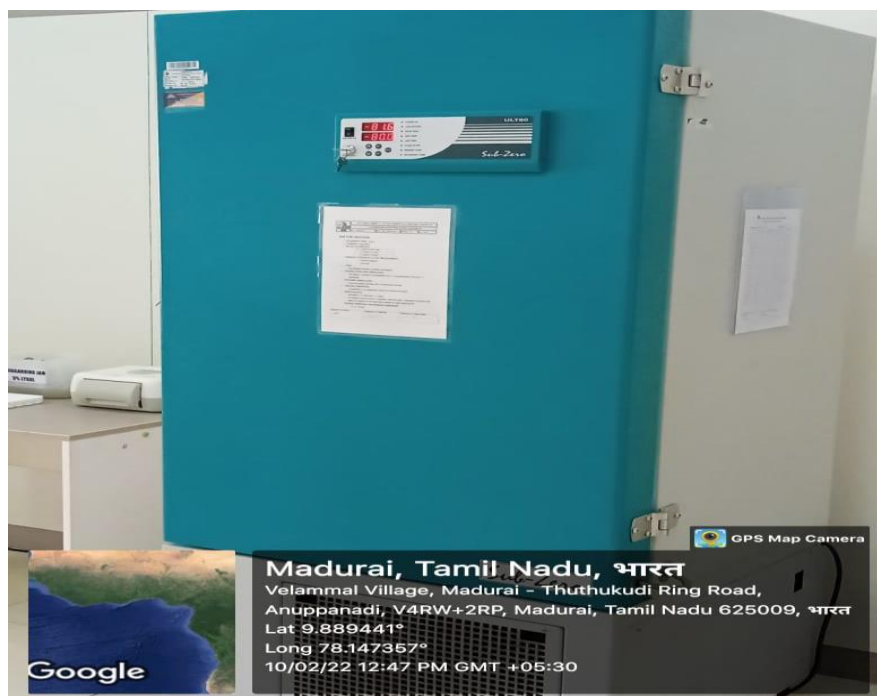
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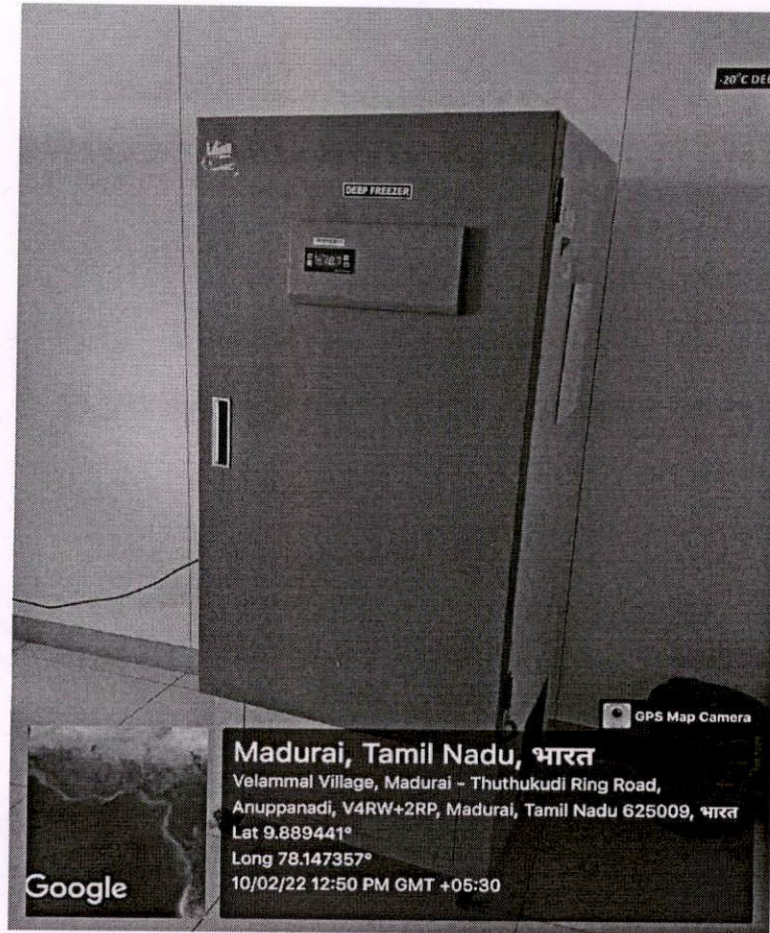
Cooling Centrifuge



-80° C Freezer



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**-20° C Freezer**

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