

# NEURANICS LAB PVT LTD

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Building AI-Powered Mini Labs for  
1.5 Lakh Clinics & PHCs



## Co-Founders



**Praveen**

CEO

B-Tech & M Tech, IIT Delhi  
(Mathematics and Computing)



**Ashutosh**

CTO

B- Tech, GIET (Mechanical and  
Optical Engineer)

## Advisors



**Dr Tushar Sehgal**

Professor, Laboratory  
Medicine, AIIMS, New Delhi



**Dr Deepak Joshi**

Asst. Professor, Dept of  
Biomedical, IIT Delhi

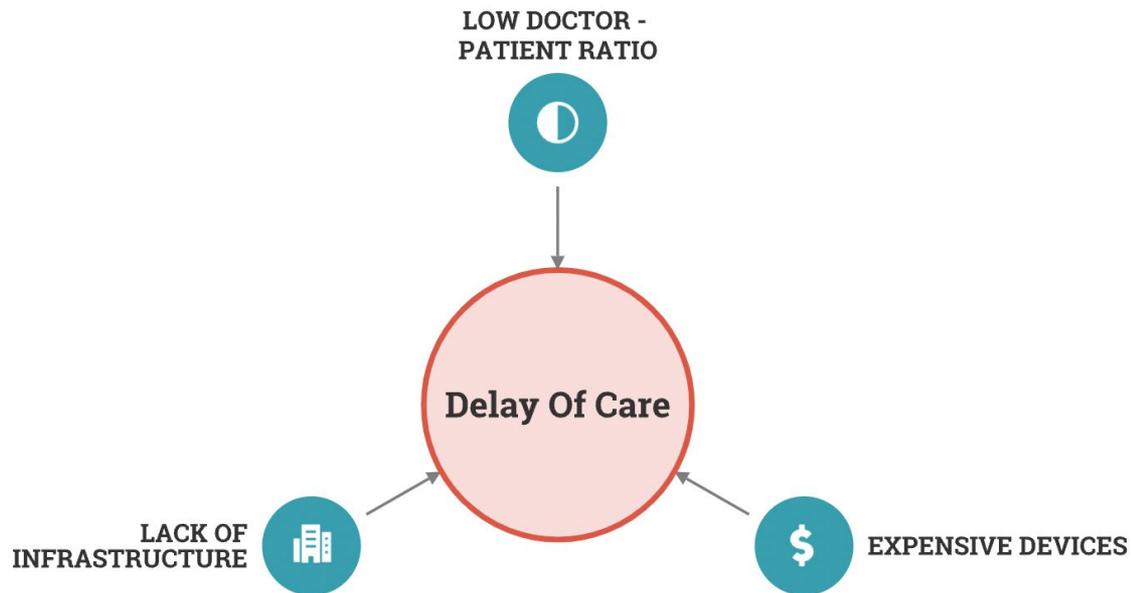


**Dr. Sandeep Singh**

Professor, Department of  
Cardiology, AIIMS New Delhi



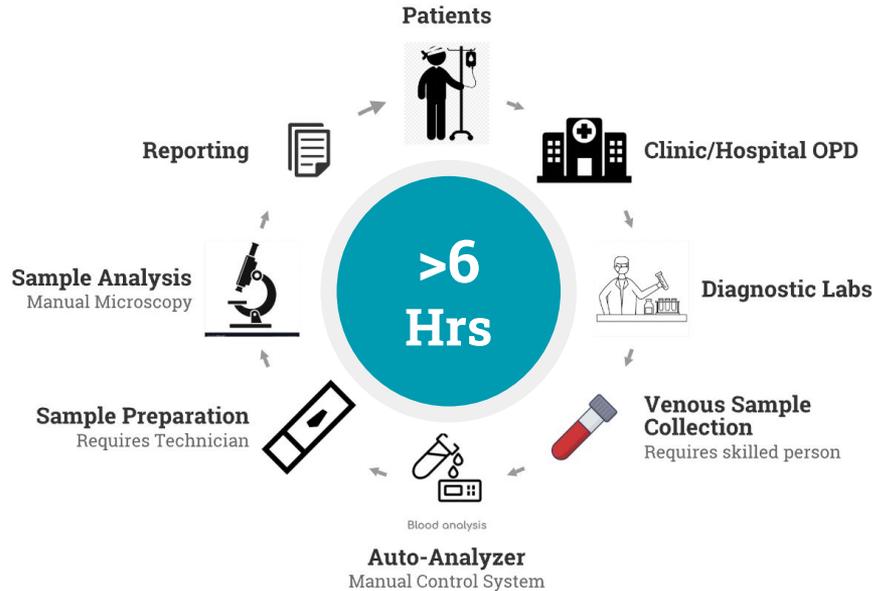
# Current Problems in Diagnostics



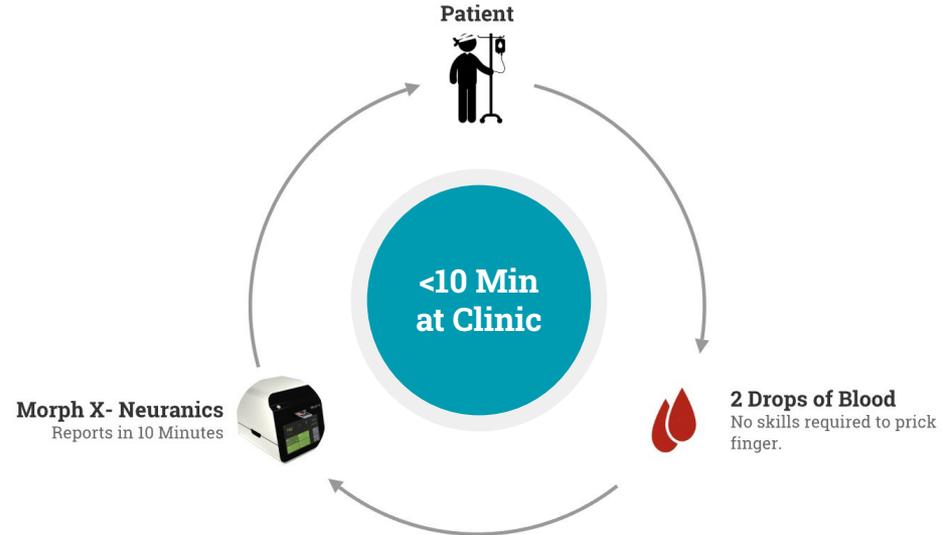
\*According to a report by NITI Aayog (Government of India), the country's healthcare system is expected to face an estimated **\$6.3 billion increase in costs annually** due to the growing burden of chronic diseases and delayed care.

# Delay of Care

## Current Flow Of Care



## Flow Of Care with Neuramics



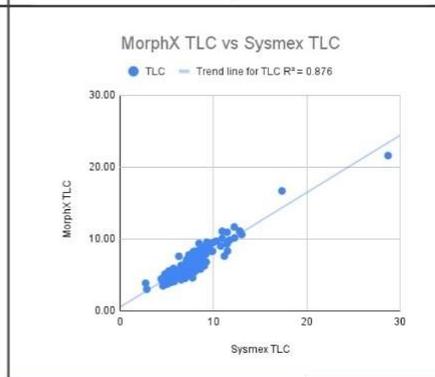
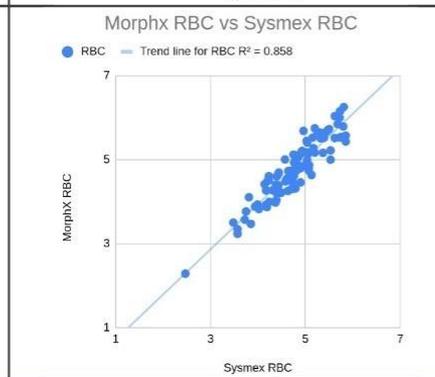
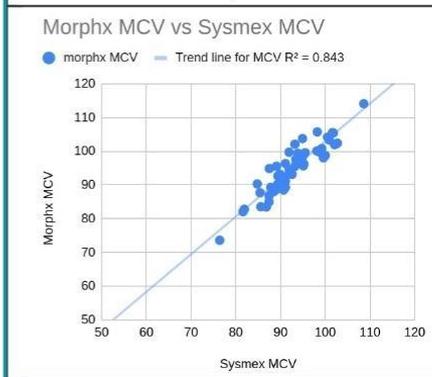
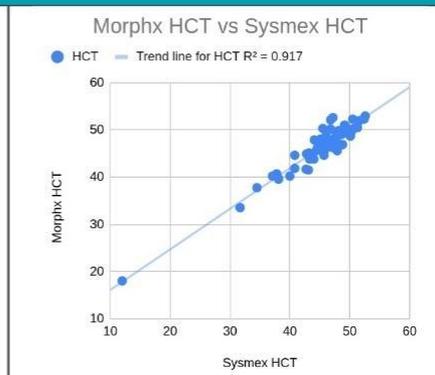
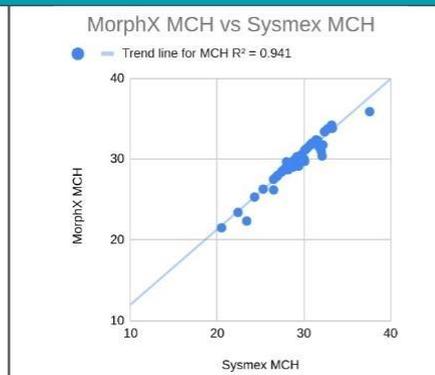
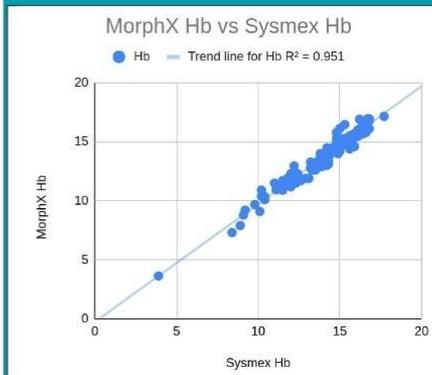
# Product USP

Feature Novelty



Technical Novelty

# Performance Evaluation: Lab Quality results at Point of Care



# 10 MINUTES VISUAL REPORTING SYSTEM

## Neuranics Lab

### Complete Blood Count (CBC) Report

#### Patient Information

Name:  
Age:  
Gender:  
Report ID: 1211NCSVF\_COR1(2)

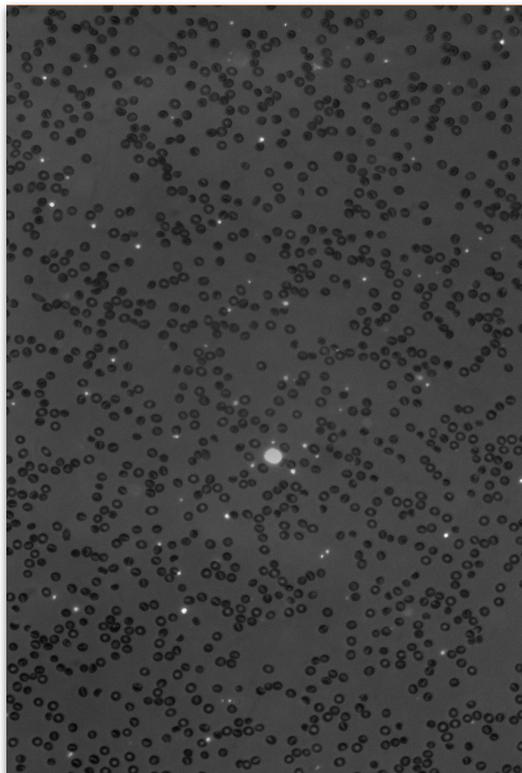
#### Report Information

Date: 2024-11-13  
Time: 12:12

#### CBC Parameters

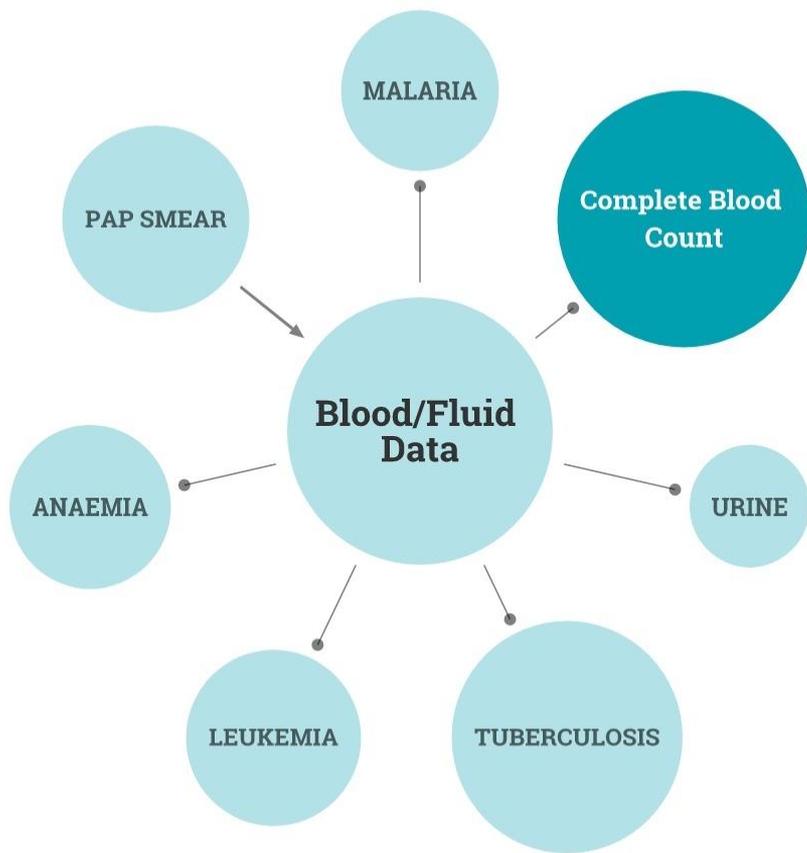
TLC:	17204.4 cells/uL
RBC Count:	4.3 million/uL
Hemoglobin:	10.4 g/dL
PCV:	30.9 %
MCV:	71.2 fL
MCH:	23.9 pg
MCHC:	33.6 g/dL
Platelets:	201.6 thousand/uL
RDW-SD:	54.4 fL
RDW-CV:	22.5 %

**Quantitative  
Analysis**

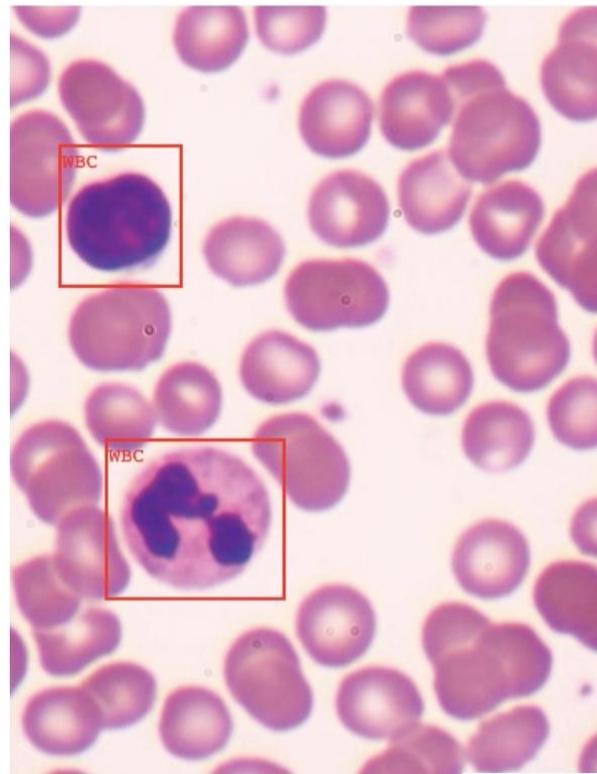


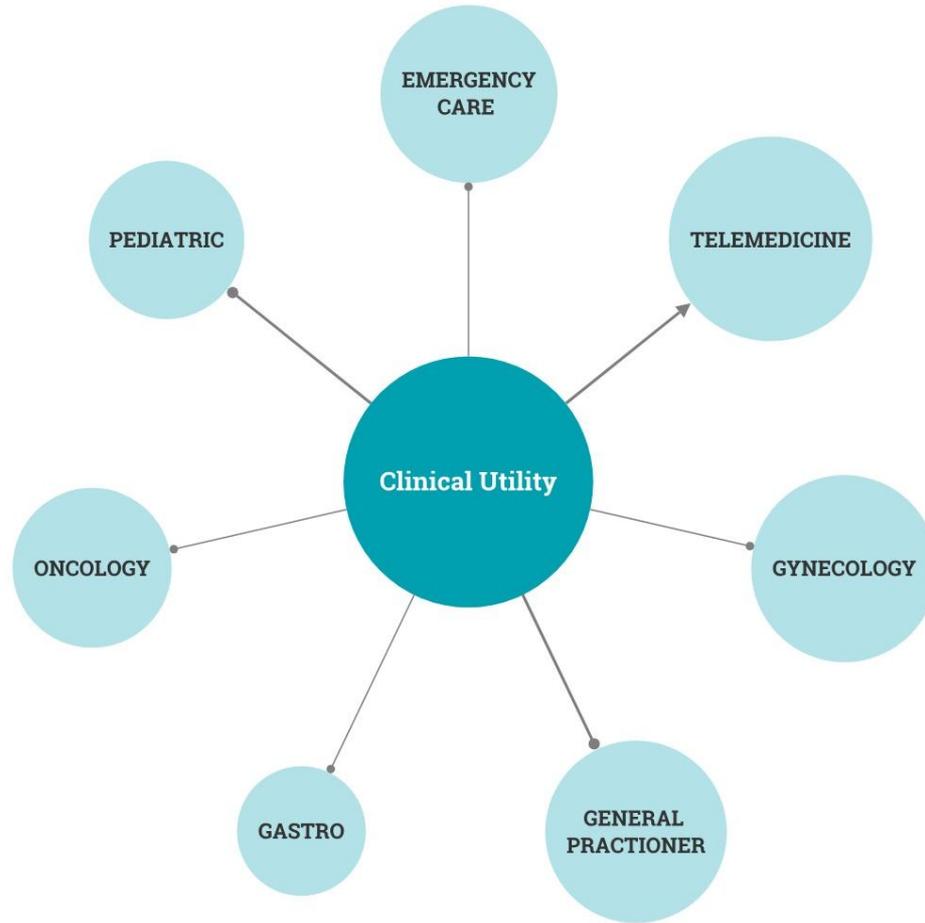
**Qualitative  
Analysis**

- Easy for cross-reference
- Will eliminate Repeat Test
- Will Decrease False Negative

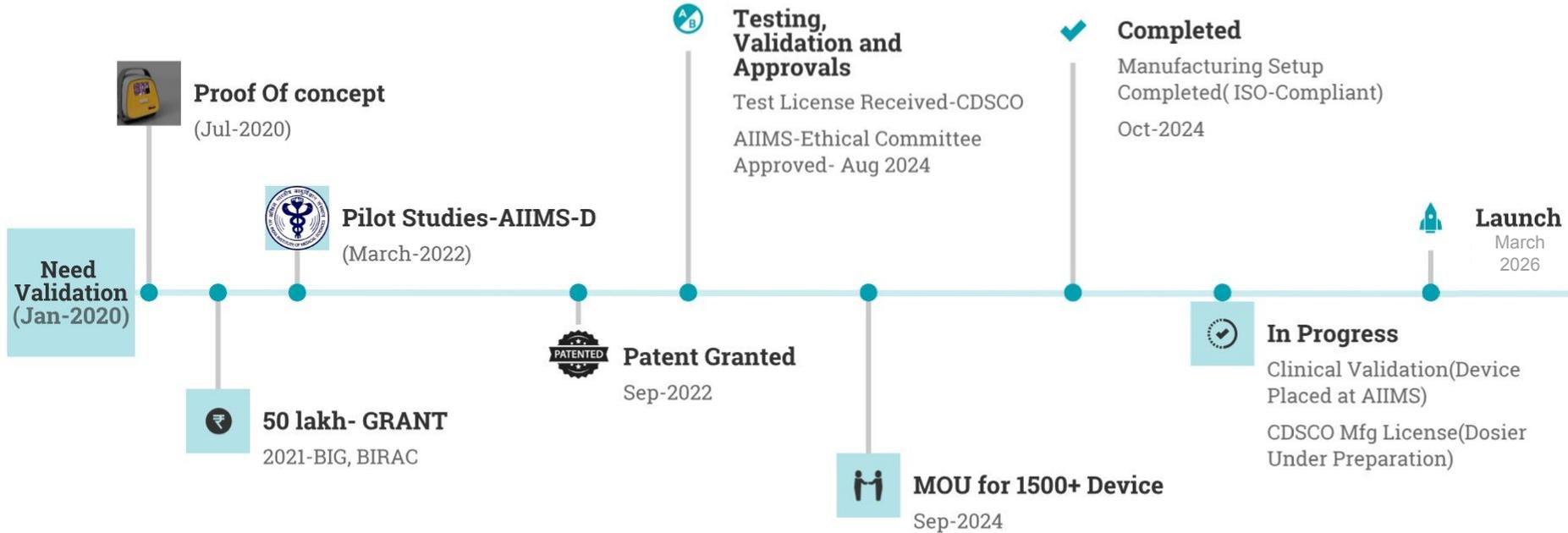


## AI at the Center of Blood Diagnosis





# Timeline - Neuramics



# MARKET SIZE-CBC(GLOBAL)

TAM



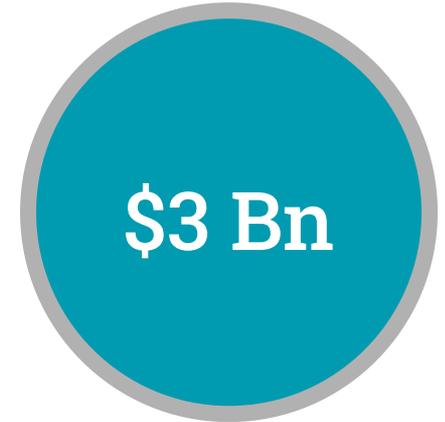
Market World-Wide

SAM



India,US,Europe

SOM



10% Market Share

# MARKET SIZE-CBC(INDIA)

TAM



Market India

SAM



Private Market

SOM



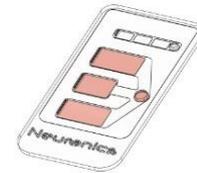
10% Market Share



# Revenue Model

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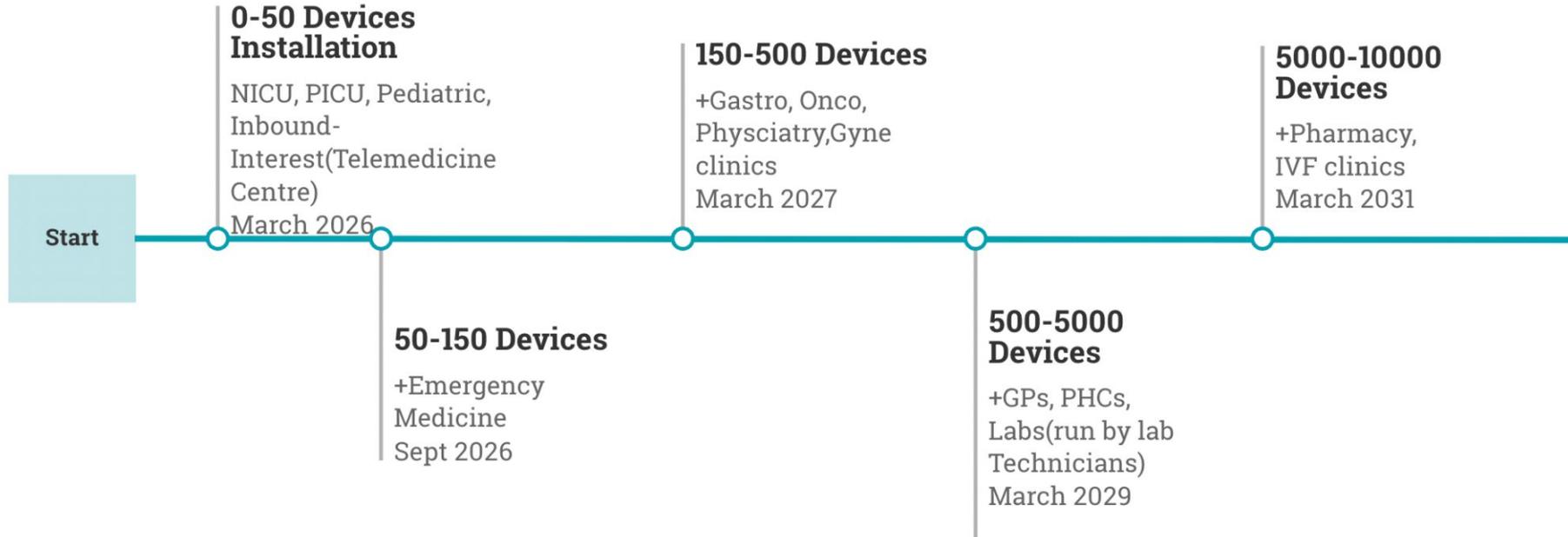
Razor/Blade Model



**Sales Of Consumables**

Disease/Test Specific Cartridges

# Timeline with Customer Segmentation

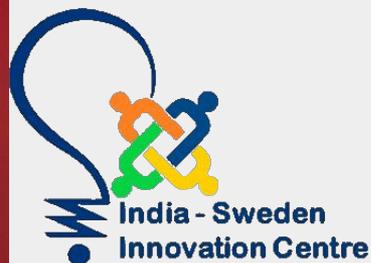


# Global Competitive Landscape

Name	Tests Parameter	Finger Prick (Volume)	TAT	Portable (Weight)	Battery Operated	Current Stage
<b>Neuranics</b> (India)	24	Yes 100 uL	12 Mins	Yes 15Kg	Yes	Clinical Trials
<b>Hemocue</b> (Sweden)	11	Yes 20 ul	7 Mins	Yes <5 Kg	Yes	Revenue
<b>Sight DX</b> (Israel)	19	Yes 40 ul	10 Mins	Yes 11 Kg	No	Early-Revenue
<b>Vital Bio</b> (Canada)	40	No Venous- 600 uL	20 Mins	No 40 Kg	No	Clinical Trials



# Awards Granted



# Intellectual Property

**Title:** Digital microscope with artificial intelligence based imaging

**Patent Status:** Granted

**Patent no.:** 407306



**IP Owned By :** Sect. Dept of Biotechnology

**Licensing :** Perpetual and Exclusive to Neuramics

**Prov. Patent :** 3 Provisional Patent Under Draft(RIFC-Venture Center Pune)

# Investment History (~\$USD-1 Mn)

Total Investment: ~11 Crore

Technology  
Develop.

Mfg. Unit.  
Establish.

ISO+CDSCO  
Certification

## Notable Investment

**Corporate:** Ex-Sony Management

**India's Leading Life Science Institute :**  
Venture-Centre(Pune), AIC-CCMB(Hyderabad)

**Angels:** Ex-CXO-Infoedge, Temasek  
Advisor(Singapore), CXO-Meta-India, Ex-Sanofy  
R&D Director and Goa-Pharmacy Chairman

**Institutional:** IPV

# Supported By



**AIIMS New Delhi**-India's Premier Government Healthcare Institute. It is our Our first Clinical Study Centre and we were trained at AIIMS during our fellowship.



Department of  
BioTechnology,  
Government  
of India

सत्यमेव जयते

**DBT-GOI**- We have secured Exclusive Worldwide Commercial Rights for the technology.



**IIT Delhi**-Indian Institute of technology has given thousands of technocrats to the world and our co-founder is alumnus of IIT Delhi and we enjoy the technical guidance from the institute's top faculties who are on our advisory.



**SiB- Stanford India Biodesign** Programme is one of the flagship programme of DBT-GOI under which we were selected and trained to solve healthcare challenges.



**Venture Centre - Pune** India's top life science incubator is our constant support ranging from funds to Regulatory to patent. VC Pune has been an incredible partner of growth.



**AIC-CCMB-Hyderabad** is a premier incubator focused on promoting entrepreneurship in life sciences, supporting startups in Health, Pharmaceuticals and Biotechnology and is our first Investor who has backed us.



**Thank You!**

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# Product Development Journey (4 Years)

Version-1  
2020



Version-2  
2021



Version-3  
2022-23



Version-4  
2023-24

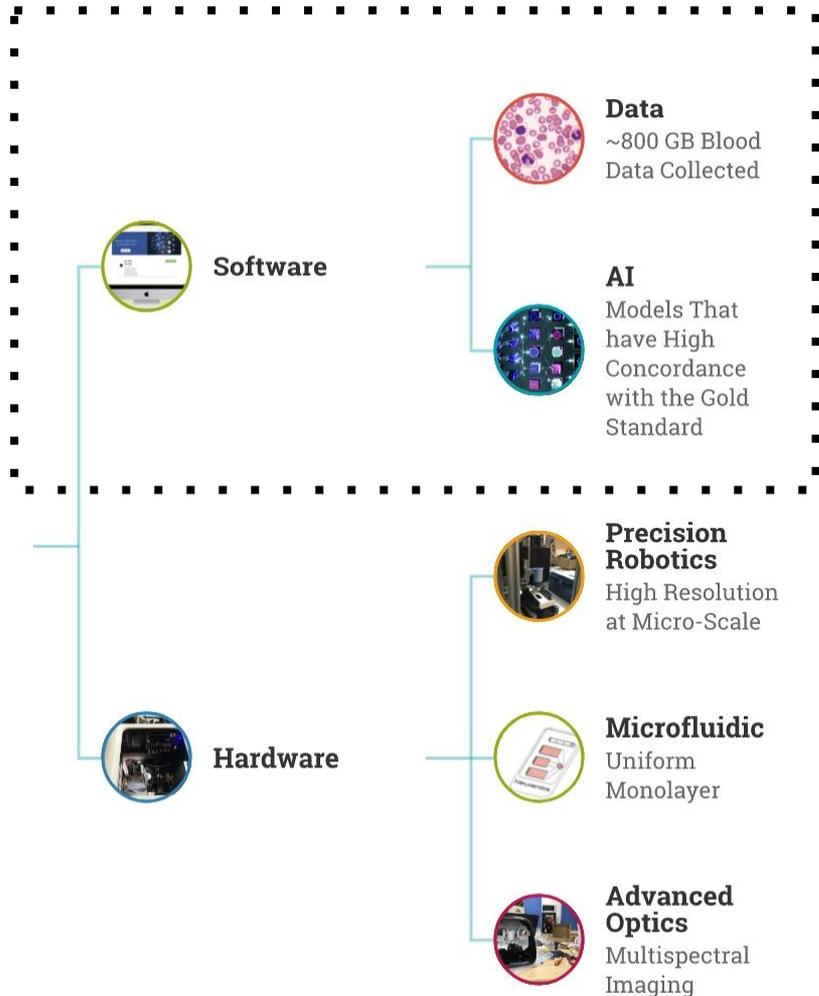


# Architecture

Separating AI Layer  
from the Device



**Platform**  
Neuranics



# Risk Mitigation Strategy

## Business Risks

Distribution Risk



Competition with Existing Hematology Analysers



IP Protection

Intellectual Property Facilitation Centre (IPFACE)

## Technical Risks

Validation



Regulatory

