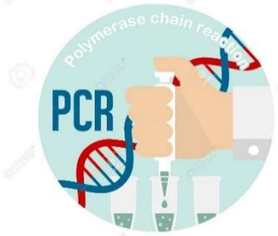
PCR PICASSO

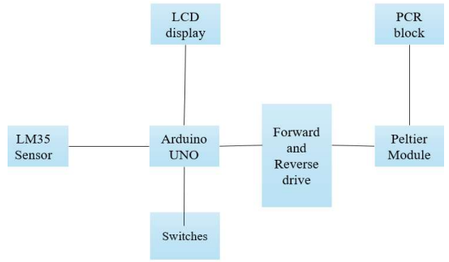
UNLOCKING THE SECRETS OF DNA

WHAT IS PCR?

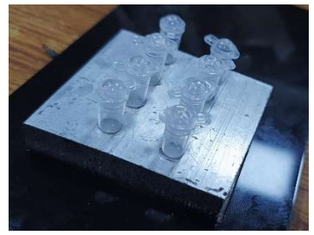
PCR is a common tool used in medical and biological research labs. It is used in the early stages of processing DNA for sequencing to detect the presence or absence of a gene to help identify pathogens during infection, and when generating forensic DNA profiles from tiny samples of DNA.



BLOCK DIAGRAM OF PCR DEVICE



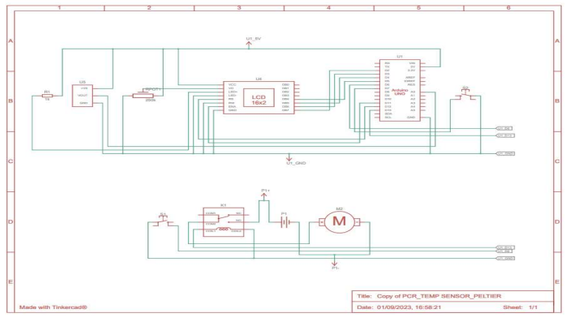
SAMPLE PLACEMENT



SPECIFICATIONS:

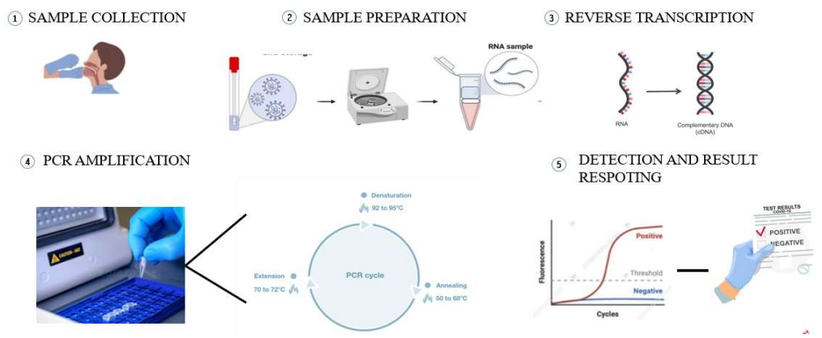
Height of Device	17.5 cm
Length of the Device	18.5 cm
Breadth of the Device	24.5 cm
Dimension of PCR block	5*5 cm
Battery	12V 2A SMPS
Peltier Device	TEC1-127706
Forward and Reverse Drive	Relay Module (DC 12V)
PCR tube	0.2ml tubes with flat cap

CIRCUIT DIAGRAM OF THE PCR



PCR RUNNING

REAL TIME EXAMPLE



KEY FEATURES

COST EFFICIENT

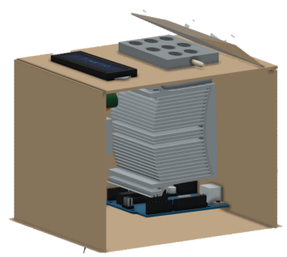
These PCR devices are typically much less expensive than modern PCR devices because they are not proprietary and can be built using open-source hardware and software.

TROUBLESHOOTING

Our device is designed with user-friendly troubleshooting features, streamlining the process for quick issue identification and resolution.

SWIFT REPAIS, AND CONVENIENT COMPONENT REPLACEMENT

Unlike other PCR devices, we have a product that simplifies the identification of mistakes, offers quick and easy repair solutions, and facilitates hassle-free replacement of worn components.



PCR BOX