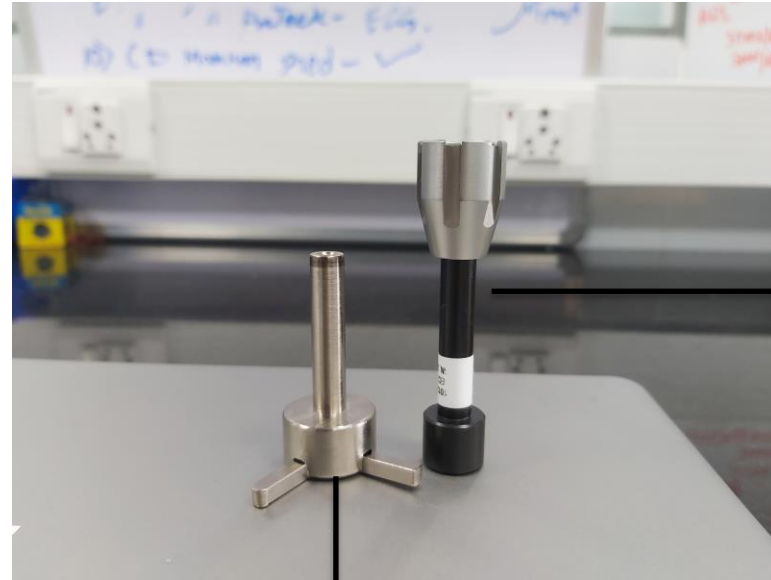


DLP NIR NANO SCAN EVM is enclosed completely with a 3D printed black structure to avoid any ambient light interference with the scan measurement process. The Top part contains the cuvette, sample and transfectance probe immersed in the sample.

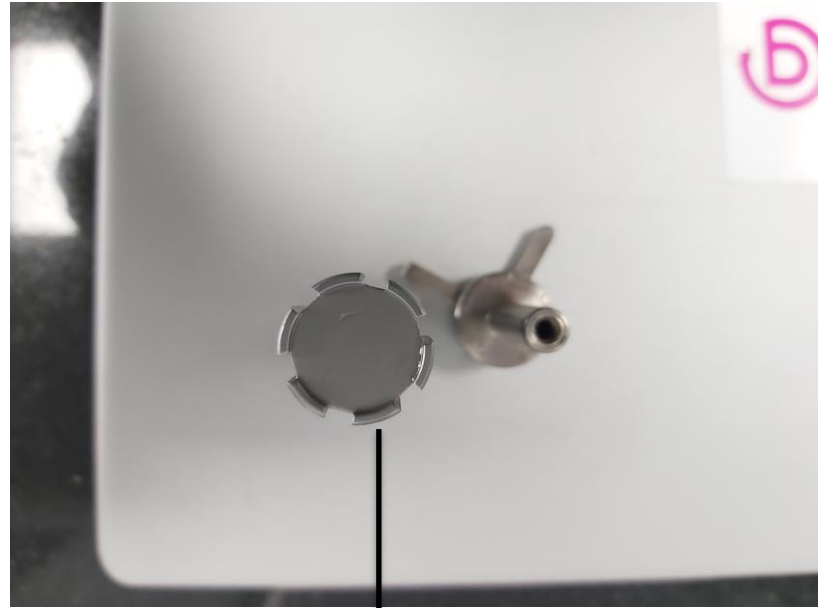
The bottom part contains the EVM which is available for scan measurement.

A thick iron base plate is provided in the bottom to avoid movement of the complete setup, so as to prevent any disturbances.

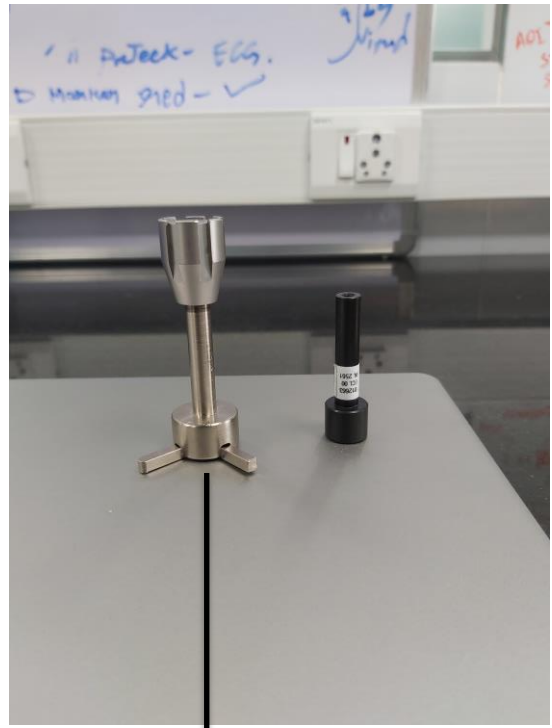


High reflectance standard obtained from Bruker Optics for transflectance measurement.

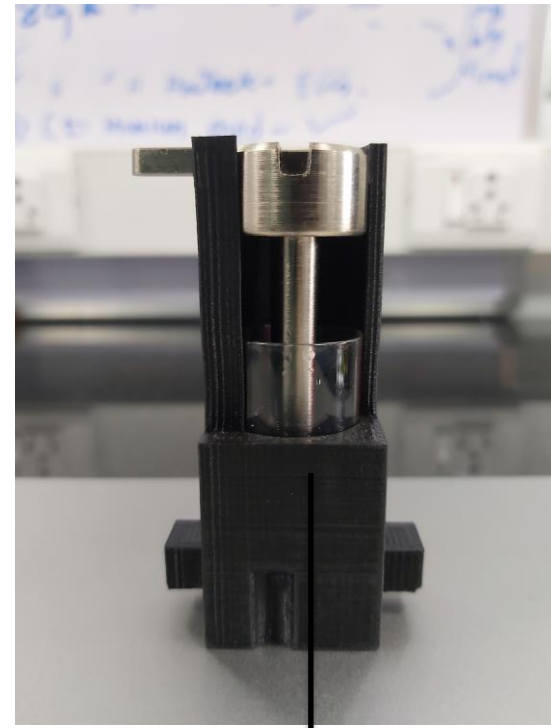
Support made by Biofi to make sure the transflectance probe remains at same position every time while taking a scan.



A pathlength of 1mm is provided. So, a total of 2mm (to and fro of the light being travelled) can be obtained.



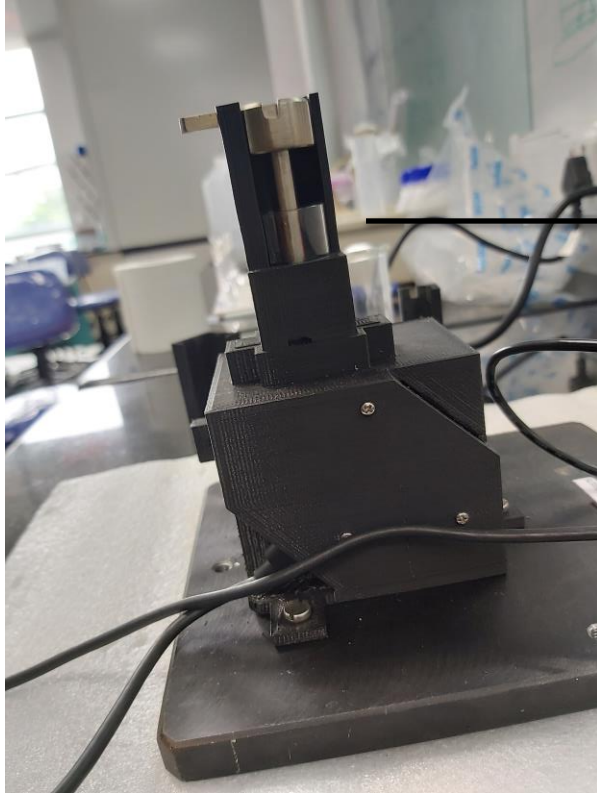
Transfectance probe to be fitted in Biofi made setup.



Sample placed in the cuvette holder and probe immersed into it.



Biofi mechanism to lock the probe avoid movements and maintain the exact same position during every sample scan.



Cuvette holder placed on the EVM fixed to maintain the same position every time. And covered with a lid to avoid external light from causing errors in scan.

