

NATIONAL BIOAVAILABILITY CENTRE (NBC)

NBC had been one of the two reference laboratories in the world accredited by WHO for conducting bioequivalence studies for anti-TB FDCs. In addition to BA / BE, NBC can also conduct drug interaction, food effect, and multiple dose steady state studies.

NBC has proven its worth and is being approached by the leading pharmaceutical companies of India for conducting bioavailability studies. More than 10 studies were conducted at NIPER and about 30 papers had been published in peer reviewed international journals. The NBC is reapproved by Drug Controller General of India (DCGI) for BA/BE studies in Feb, 2015.

NIPER is strategically located at the out skirts of Chandigarh in S.A.S. Nagar (Mohali). Fortis Hospital, Mohali and Silver Oak Hospital, Mohali are within 2 Km radius of NIPER. The surrounding area has nearly 5 million population with naive pool of healthy human subjects of either sex with no competing facility in its 50 km radius.



NATIONAL BIOAVAILABILITY CENTRE (NBC)

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INFRASTRUCTURE

Clinic

The Centre has a 24 bedded air conditioned Volunteer Room and a separate dining room with attached kitchen. It has reception area, doctor room, ICU, informed consent room with video recording, frisking area, recreation room and HIV counseling room. It has a sample collection room, a sample processing room with refrigerated centrifuge and deep freezers (-80°C).

Other Facilities

The Centre has its own archive, conference room, pharmacy and quality assurance room for BA / BE studies.

Bioanalysis

For the bioanalysis of samples, the following instrument facilities are available:

1. LCMS-LTQXL ion trap system (Thermo)
2. Two HPLC systems (Alliance solvent management system coupled with UV/visible detector and a fluorescence detector from Waters). We have developed, validated and applied several HPLC methods for the analysis of anti-TB and anti cancer drugs.

Data Analysis

NBC has a documentation centre for data analysis using WinNonlin software.

MOU with Fortis hospital to provide Ambulance with portable ventilator, Emergency treatment and pathological (NABL (National Accreditation Board for Testing and Calibration Laboratories) accredited) / diagnostic / imaging services for screening of healthy volunteers, participating in BA/BE trials at NBC clinic, as on required basis.

VOLUNTEERS' ROOM



RECREATION



BIOANALYSIS



DOCTOR ROOM

