

**Digital Inverted Fluorescence Microscope – 1No.**  
**Doc. No: ST/12/Dig-Fluo-Microscope/2016-17/27**

**Applications:** For cell line work, gene expression studies, Quantitative imaging of fluorescent proteins in microbiology and immunology lab

**Features Required:-**

1. Digital inverted fluorescence microscope must include cell imaging system, digital camera, computer, L.C.D /L.E.D display and high power fluorescence lighting system .
2. System must include high output illuminators with fluorescence band pass excitation and emission filters for DAPI, GFP and Texas Red respectively.
3. Easily and manually replaceable fluorescent filters.
4. System should have Fluorescence LED illuminator/ HALOGEN lamp/ xenon lamp as source of light
5. Fluorescent filter channels: 4 to 5
6. System must have an infinity corrected optical system and should include an Camera with high mega pixels
7. System must be able to accommodate a minimum of 4 to 5 objectives at once
8. System must include 10X ,20X, 40X, 60 X fluorescence objectives
9. System must include a Coarse focus, and a Fine focus adjustments.
10. System must have a mechanical "glide" stage; X-Y axis fine-positioning controls: It should be compatible with interchangeable vessel holders for most common shapes and sizes. 6, 24, 96, 384 well plates , culture flasks T-25,T-75, T-175
11. System must be able to sequentially acquire a fluorescence , phase contrast image and transmitted light (Brightfield & phase contrast) both should be possible .
12. System must have DVI output port and USB output ports

**OPERATING VOLTAGE : 220V- 240 V,A.C./ 50 Hz.**

**Software:**System should be supplied with user friendly imaging software with time lapse, manual cell counting, and include free downloadable software updates, etc.

**Terms and conditions**

1. System should be supplied with minimum of 3 YEARS OF COMPREHENSIVE WARRANTY + 2 YEARS NON COMPREHENSIVE WARRANTY
2. The above given specifications and features are for the information of bidder to quote a suitable /similar model, matching to the above requirements.
3. However NIN reserves the right to accept / reject a model based on selection and technical requirement /suitability.
4. The bidder should be willing to accept and agree these terms and conditions
5. The accessories supplied with equipment like U P S / P.C. /PRINTER should be covered under warranty like main equipment