DRAWINGS

FIG. 1

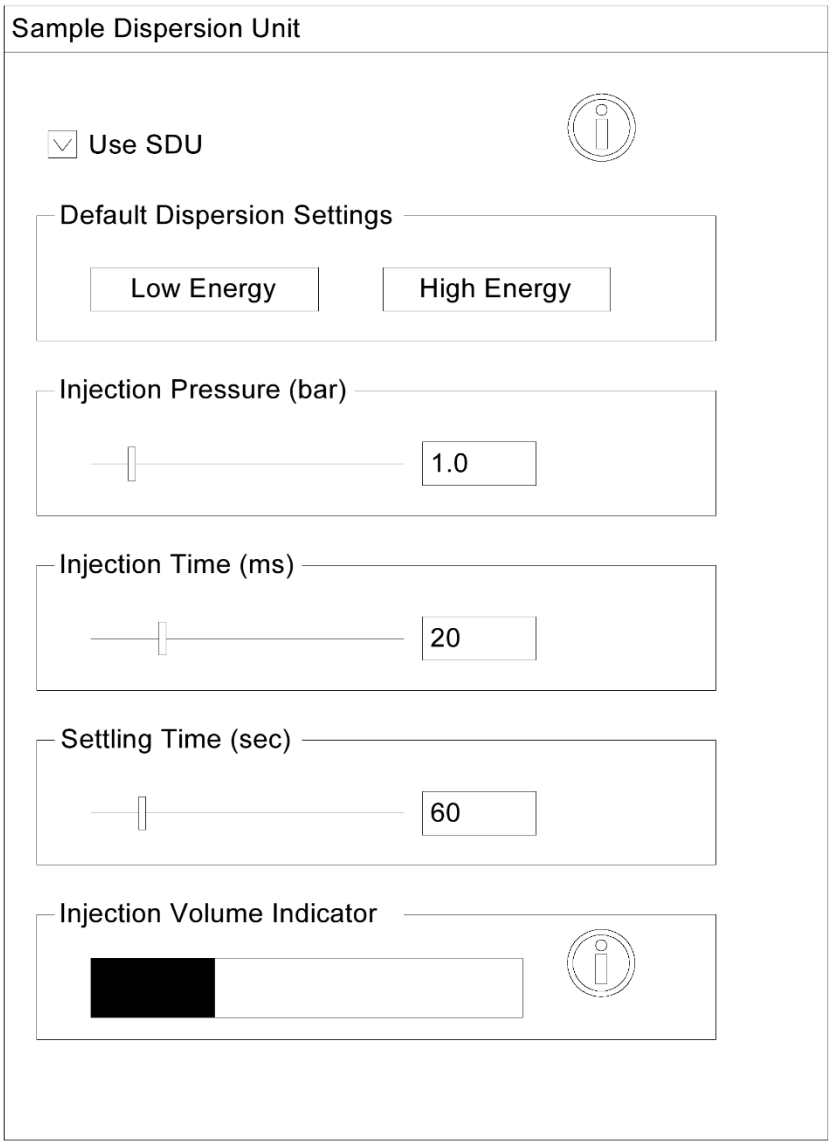


FIG. 2

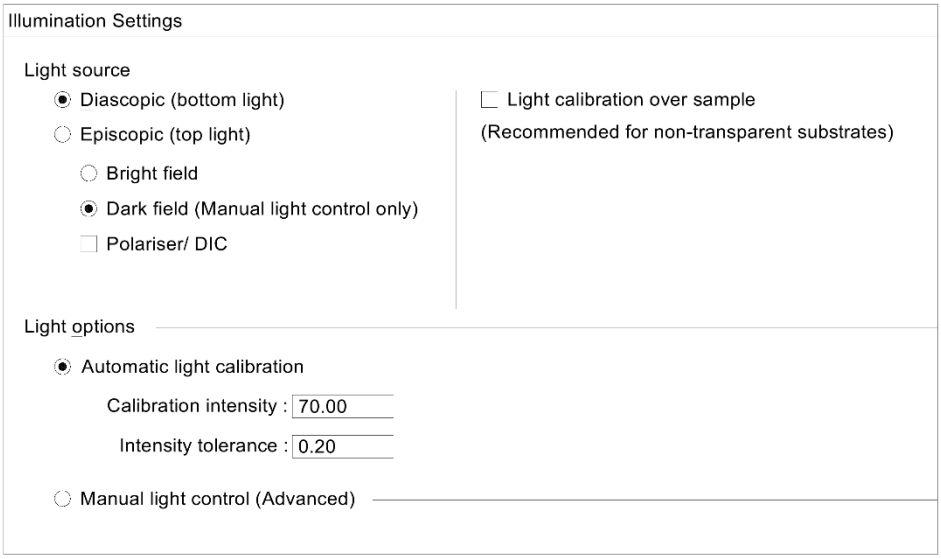

Illumination Settings
Light source
Diascopic (bottom light)
Episcopic (top light)
Bright field
Dark field (Manual light control only)
Polariser/ DIC
Light calibration over sample
(Recommended for non-transparent substrates)
Light options
Automatic light calibration
Calibration intensity : 70.00
Intensity tolerance : 0.20
Manual light control (Advanced)

FIG. 3

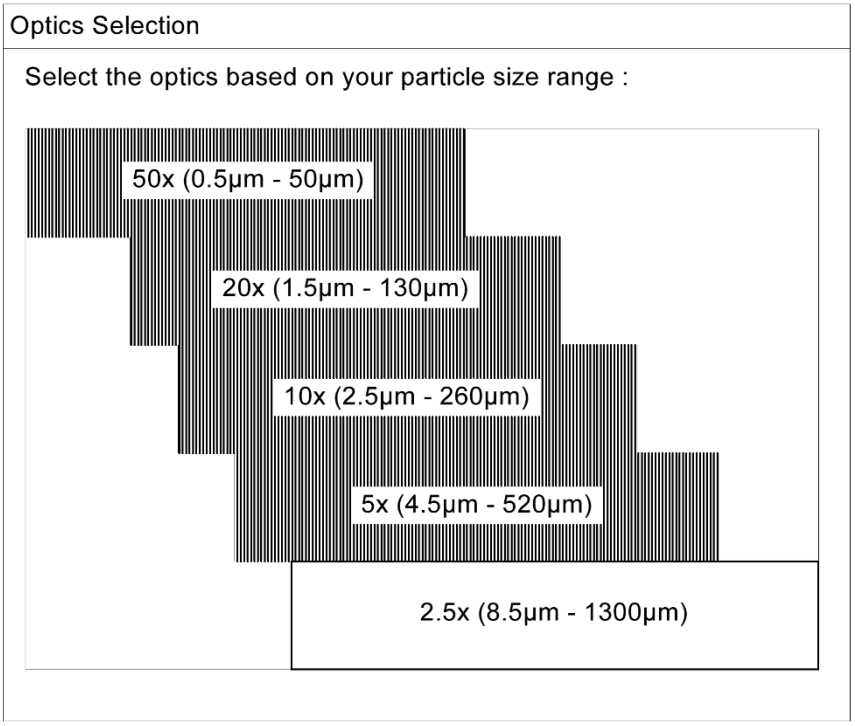

Optics Selection
Select the optics based on your particle size range :
50x (0.5µm - 50µm)
20x (1.5µm - 130µm)
10x (2.5µm - 260µm)
5x (4.5µm - 520µm)
2.5x (8.5µm - 1300µm)

FIG. 4

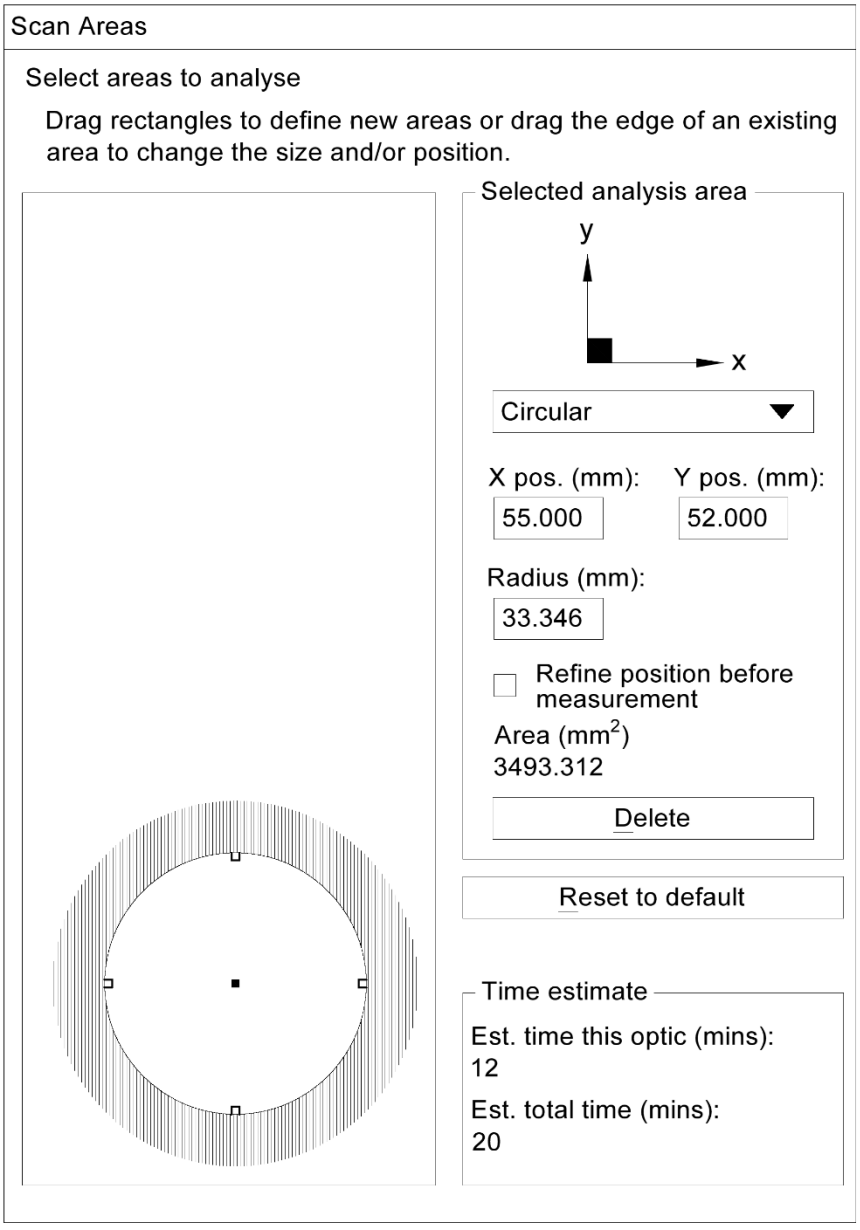

Scan Areas
Select areas to analyse
Drag rectangles to define new areas or drag the edge of an existing area to change the size and/or position.
Selected analysis area
y
x
Circular
X pos. (mm):
55.000
Y pos. (mm):
52.000
Radius (mm):
33.346
Refine position before measurement
Area (mm2)
3493.312
Delete
Reset to default
Time estimate
Est. time this optic (mins):
12
Est. total time (mins):
20

FIG. 5

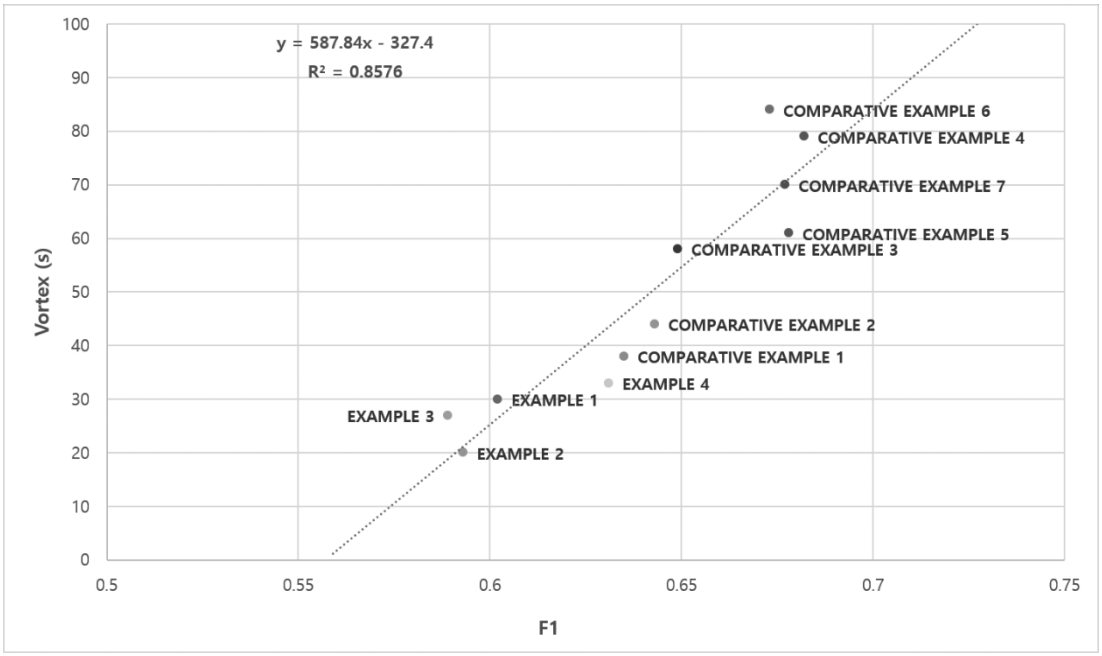
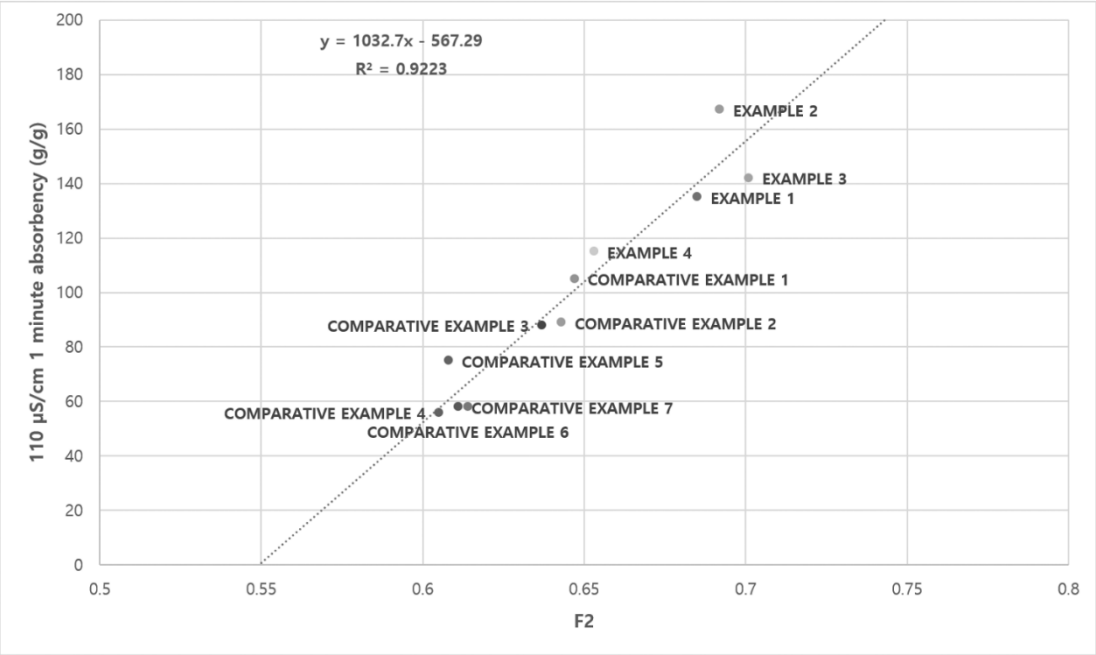

y = 587.84x - 327.4
R² = 0.8576
COMPARATIVE EXAMPLE 6
COMPARATIVE EXAMPLE 4
COMPARATIVE EXAMPLE 7
COMPARATIVE EXAMPLE 5
COMPARATIVE EXAMPLE 3
COMPARATIVE EXAMPLE 2
COMPARATIVE EXAMPLE 1
EXAMPLE 4
EXAMPLE 1
EXAMPLE 3
EXAMPLE 2
Vortex (s)
F1
100
90
80
70
60
50
40
30
20
10
0
0.5
0.55
0.6
0.65
0.7
0.75

FIG. 6


y = 1032.7x - 567.29
R² = 0.9223
EXAMPLE 2
EXAMPLE 3
EXAMPLE 1
EXAMPLE 4
COMPARATIVE EXAMPLE 1
COMPARATIVE EXAMPLE 3
COMPARATIVE EXAMPLE 2
COMPARATIVE EXAMPLE 5
COMPARATIVE EXAMPLE 4
COMPARATIVE EXAMPLE 7
COMPARATIVE EXAMPLE 6
110 μS/cm 1 minute absorbency (g/g)
F2
200
180
160
140
120
100
80
60
40
20
0
0.5
0.55
0.6
0.65
0.7
0.75
0.8