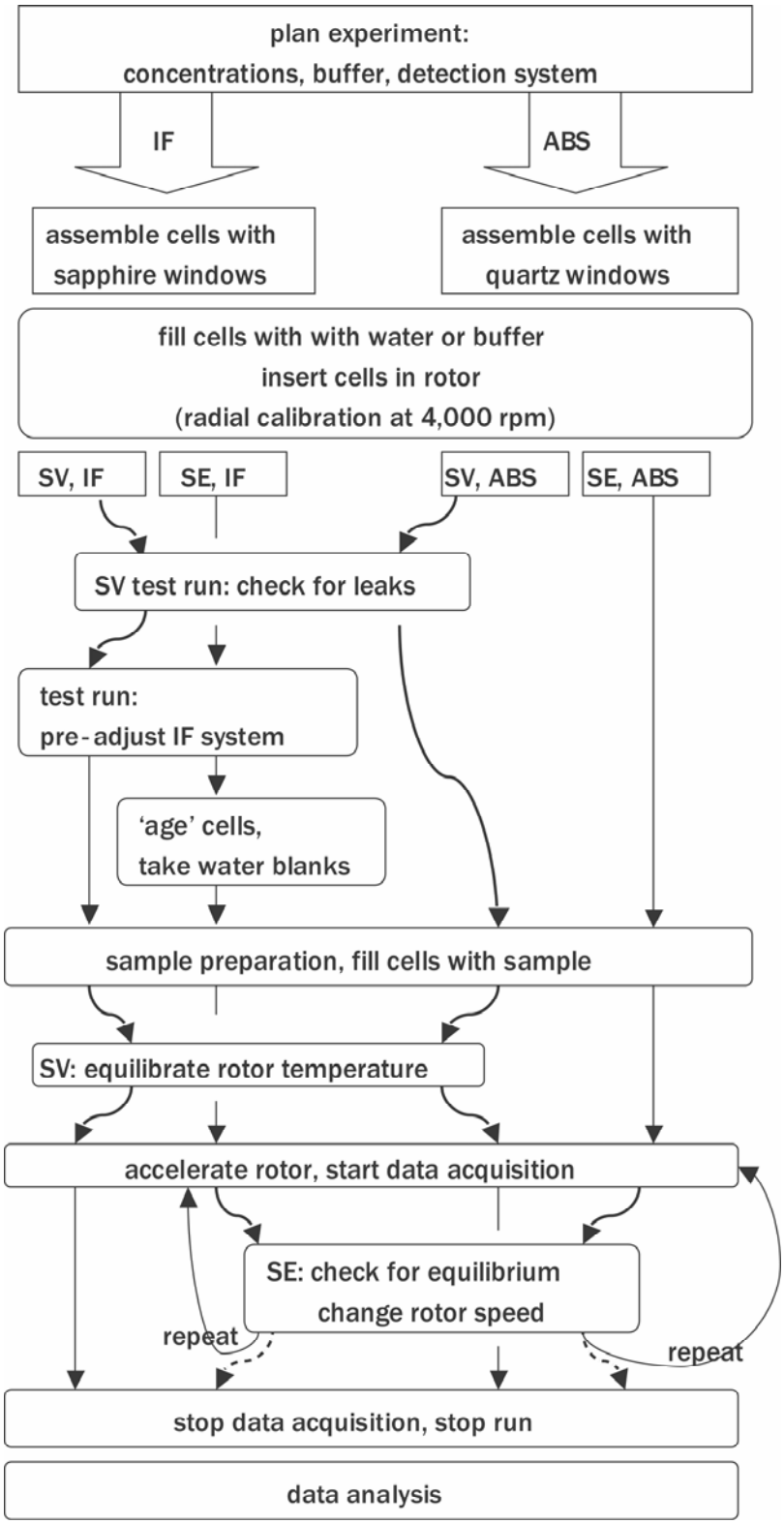
plan experiment:
concentrations, buffer, detection system
IF
ABS
assemble cells with sapphire windows
assemble cells with quartz windows
fill cells with with water or buffer
insert cells in rotor
(radial calibration at 4,000 rpm)
SV, IF
SE, IF
SV, ABS
SE, ABS
SV test run: check for leaks
test run:
pre-adjust IF system
'age' cells,
take water blanks
sample preparation, fill cells with sample
SV: equilibrate rotor temperature
accelerate rotor, start data acquisition
SE: check for equilibrium
change rotor speed
repeat
repeat
stop data acquisition, stop run
data analysis