

Stopped-Flow Checklist

1. **Turn ON the MOS-250** before turning ON the computer, MPS-20 and PMS-250.
2. **Manually wash the syringes and flow path** with 20-30 ml of water. Make sure the syringes are moving smoothly when pushed by hand.
3. **Check the FILTER** in the PMT is appropriate for the expt.
4. Check the **Excitation and Emission wavelengths** and the bandwidths.
5. Minimum volume per shot is **60 μ l per syringe**. Therefore, the **TOTAL VOLUME** per shot is 120 μ l. Larger volume will give better data.
6. **Wait 1 min between shots** to allow the hardstop valve to cool.
7. **Turn OFF the PMT High Voltage for the internal and external PMTs before you remove the syringes**. Exposing the PMTs to light with the high voltage ON will permanently damage it!
8. Turn everything OFF before turning OFF the MOS-250.
9. **Manually wash the syringes and the flow path** with 50 ml water, followed by 50 ml of 50% ethanol.
10. **Report any problems** with the instrument immediately to Simpson Joseph.