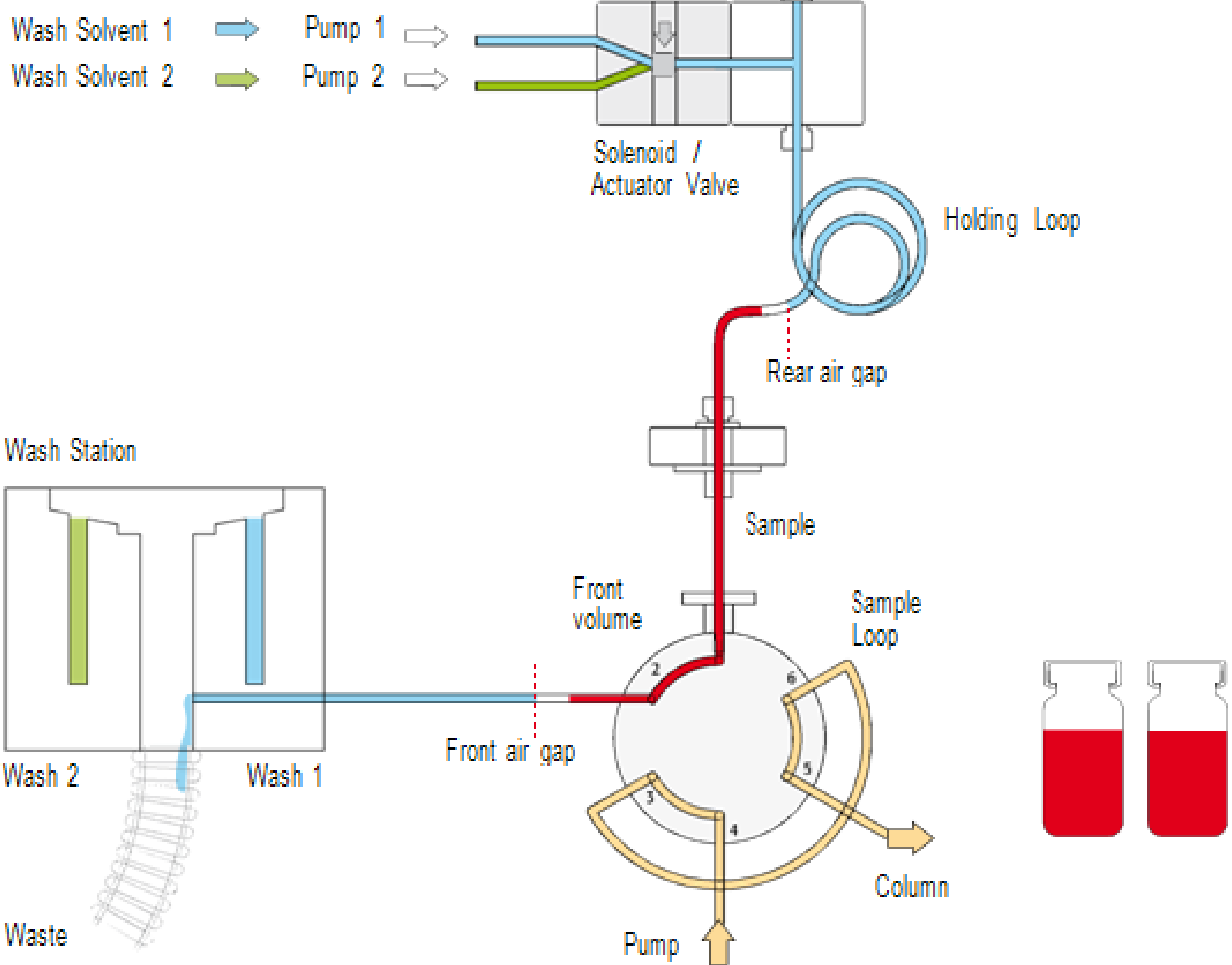
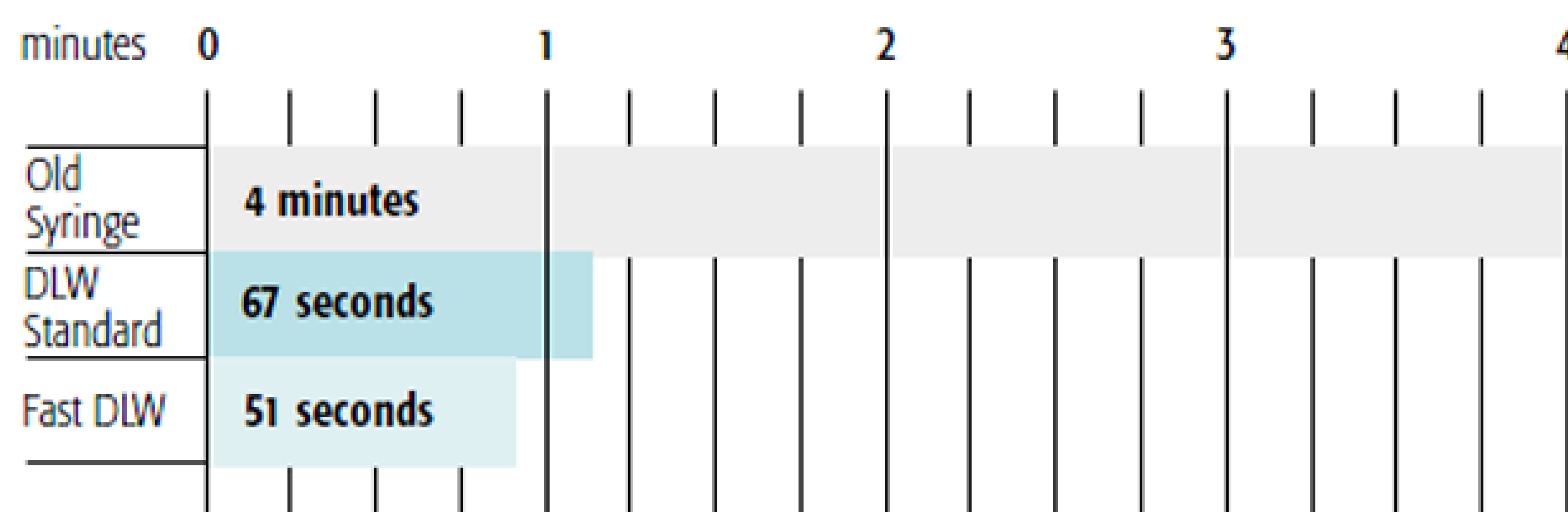


# New!!! NEAR ZERO CARRY OVER

Meeting today's Mass Spectrometers sensitivity requirements



## Dynamic load and Wash Cycle principle



### DLW Standard Cycle

cycle start

1. Aspirate rear air segment
2. Get sample aspirate rear, inject and front volume
3. Aspirate front air segment
4. Passive needle clean outside in wash position 1
5. Dispense front air segment and front sample volume to waste
6. Valve to load position and load inject volume
7. Valve to inject position and start chromatography
8. Dispense rear sample and air segment to waste
9. Valve clean sample with wash liquid 2
10. Active needle wash liquid 2
11. Valve clean with wash liquid 1
12. Active needle wash with wash liquid

cycle end

### DLW Fast Cycle

cycle start

1. Aspirate rear air segment
2. Get sample aspirate rear, inject and front volume
3. Aspirate front air segment
4. Dispense front air segment and front sample volume to waste
5. Valve to load position and load inject volume
6. Valve to inject position and start chromatography
7. Dispense rear sample and air segment to waste
8. Valve clean sample with wash liquid 2

9. Valve clean with wash liquid 1
10. Active needle wash with wash liquid

cycle end