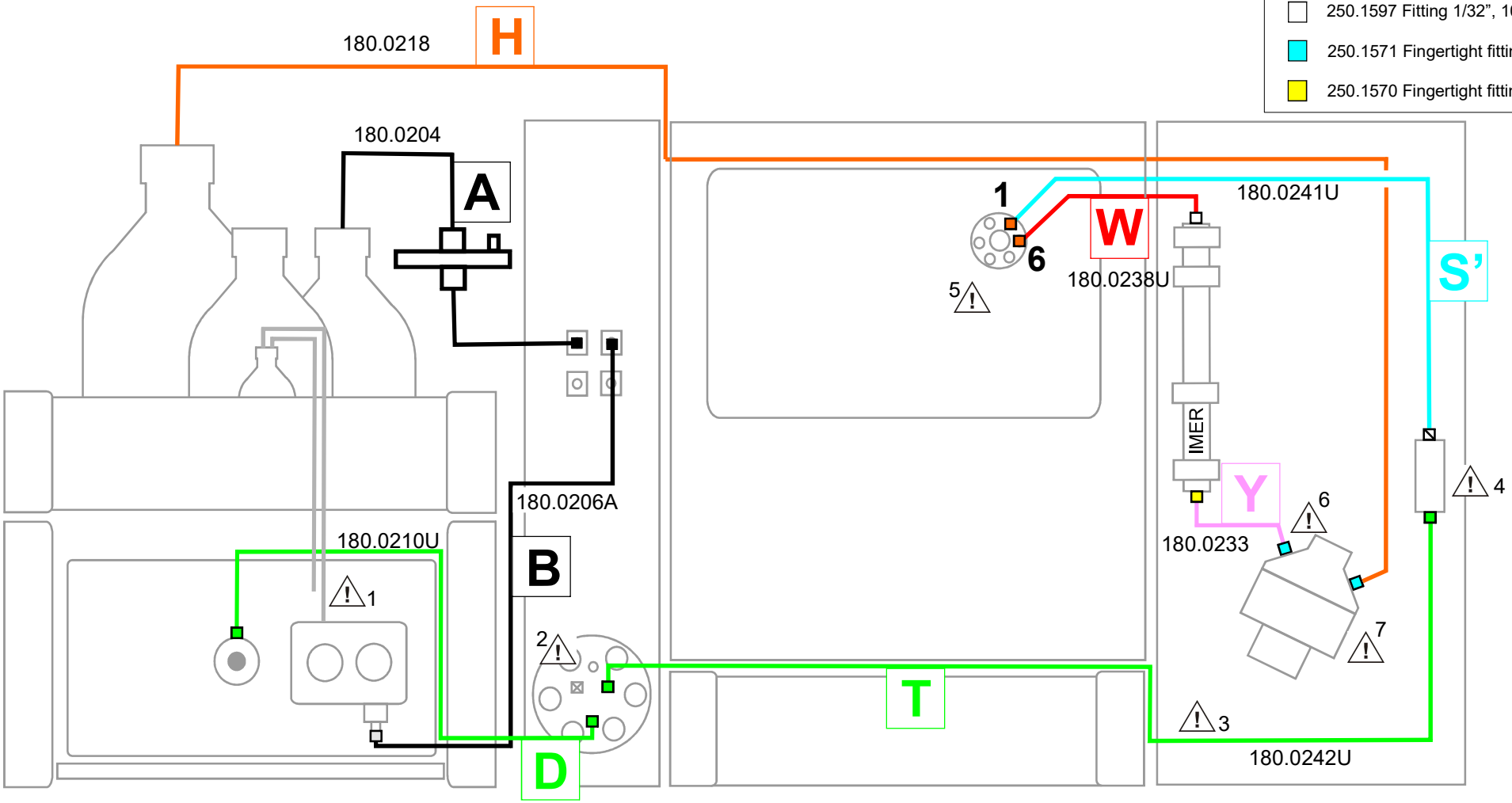
Antec
Proven Performance!

⚠ On the backside important installation information is provided for the parts marked with a caution sign.

LC connections

- 250.1550 Ferrule Tefzel, 1/8", flangeless
  250.1552 Nut PEEK, 1/8", flangeless, 1/4-28
- 250.1566 Ferrule CTFE, 1/8", collapsible
  250.1568 Nut PEEK, 1/8", hex, 5/16-24
- 250.1554 Ferrule SS, 1/16", SSI
  250.1556 Nut SS, 1/16", SSI, 10-32
- 250.1594 Internal reducer 1/16"x1/32", 0.25 mm
- 250.1558 Ferrule SS, 1/16", Valco
  250.1560 Nut SS, 1/16", Valco, 10-32
- 250.1591 Ferrule SS, 1/32", Valco
  250.1590 Nut SS, 1/32", Valco, 10-32
- 250.1597 Fitting 1/32", 10-32, Waters comp.
- 250.1571 Fingertight fitting PCTFE 10-32
- 250.1570 Fingertight fitting PEEK, 10-32



Installation schematics for Acetylcholine analysis, using
LC connection kit SCC I, FLEX, UHPLC (pn. 180.0176U) + Acetylcholine Application kit (pn. 180.0508) + AChE/ChOx postcolumn-IMER (pn. 250.3531)

LC equipments should be used by trained laboratory personnel only. Use proper eye and skin protection when working with solvents under high pressures. Additional safety requirements or protection may be necessary depending on the chemicals used with this equipment.

IMPORTANT INSTALLATION INFORMATION

For the installation of the LC connections in the drawing the LC connection kit SCC FLEX I, UHPLC (p/n 180.0176U) and ALEXYS Acetylcholine kit, SCC II (p/n 180.0508) and AChE/ChOx postcolumn-IMER (pn. 250.3531) are required. The LC connection kit SCC FLEX I, UHPLC is part of the ALEXYS Neurotransmitter base system (p/n 180.0091U). Read the LC connection kit install guide (p/n 180.7001A) before installation.

1. The piston wash tubing is not part of the LC connection kit; use the tubing provided in the pump ship kit and install according to the pump manual.

2. The pulse damper in the OR 110 UHPLC organizer rack (p/n 184.0040U) has three ports; one of the ports must be closed with the solid stainless steel closing plug supplied in the ship kit of the organizer rack.

3. For optimal performance it is required to passiveate all metal parts in the system using a 15% HNO3 solution, and flush the system afterwards with the appropriat solutions and mobile phase before connecting the analytical and IMER column; exposing the columns to the wrong solutions may lead to damage/loss of performance. For instructions see the LC connection kit install guide and the requirements document (pn.180.7065u).

4. The large-capacity inline filter should be fixed in the oven compartment of the DECADE II using a 6 mm column clamp (p/n 250.0103K) supplied in the DECADE II ship kit.

5. The system operates at high pressures and zero-dead volume connections are critical for best performance. Therefore, make sure that the connections are sufficiently tight and tubing ends are properly inserted into the ports of the autosampler, column and cell when making the connections. A sudden slip of a tubing in a system under pressure can lead to a large pressure drop, which can damage the column and other parts of the system.

6. Use two fingertight fittings PCTFE 10-32 (pn. 250.1571) from the Flexcell ship kit (pn. 102.0202) to connect the IMER and the outlet tubing to the Flexcell.

7. Coat the working electrode at least 4 hours before installation. Coat the disk according to the procedure described in the requirement document (pn.180.7065u) and take into account the guidelines described in the Peroxidase electrode kit manual (MF-9079).

Legend LC tubing*:

- FEP 1/8”, 1.59 mm ID, transparent
- Stainless Steel 1/32”, 0.25 mm ID, with 1/16” ends
- Stainless Steel 1/32”, 0.13 mm ID
- PEEK 1/16”, 0.064 mm ID, natural or pink striped
- PEEKSIL 1/32”, 0.075 mm ID (black cladding)
- Silicone 3 mm, 1 mm ID, transparent
- PEEK 1/16”, 0.50 mm ID, orange-striped

*) Note that the color coding of the LC tubing in the drawing does not necessarily reflect the real color of the corresponding tubing.