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Traps and other Consumables

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ITEX Traps

1.4.11   ITEX (or in-tube extraction) enables the quick, simple and efficient extraction of volatile and semi-volatile compounds. An ITEX syringe like 227-35385-01 (compatible with AOC-6000 systems) and an ITEX trap are needed.

Standard recommendation:

980-21040 – for standard applications

P/N	Description
980-21040	ITEX trap – Tenax TA 80/100 mesh (1 pc)
980-21039	ITEX trap – Tenax GR 80/100 mesh (1 pc)
980-19276	ITEX trap – Carboxen 1000 60/80 mesh (1 pc)
980-19277	ITEX trap – Carbopack C 80/100 mesh (1 pc)
980-19278	ITEX trap – Carbosieve SIII 60/80 mesh (1 pc)
980-19279	ITEX trap mix 1 – Tenax TA:Carboxen 1000, bottom:top, 1:1 (1 pc)
980-21038	ITEX trap mix 2 – Carbopack C:Carbosieve SIII, bottom:top, 2:1 (1 pc)
980-21023	ITEX trap mix 3 – Tenax GR:Carbosieve SIII, bottom:top, 1:1 (1 pc)

1.4.11 (appears next to 980-21040 row)

Sample tubes and accessories for TD-30 and TD-20

Sample tubes filled with an adsorbent are needed for gaseous and liquid samples with Thermal Desorption units. For solid samples empty tubes are available. Especially when analyzing samples with smaller particles, it is recommended to pack the sample in a "sandwich" of quartz wool.

Standard recommendation:

980-24308 - Tenax TA 60/80 mesh (10 pcs)
223-54617-41 - Caps for sample tubes (20 pcs)
223-57166-91 - O-ring PTFE coated (20 pcs)
036-15680-09 - Kalrez O-ring for joint ring (high temperature) (1 pc)

P/N	Description	
980-24308	Sample tube – Tenax TA 60/80 mesh (10 pcs)	

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223-57119	Sample Tube – empty (1pc)	
223-54617-41	Caps for sample tubes including necessary O-rings (20 pcs)	
223-57166-91	Viton O-ring PTFE coated (20 pcs)	
036-15680-09	Kalrez O-ring for joint side (high temperature) (1 pc)	
201-47616-01	Quartz Wool (2 g) for solid samples with small particles	

For each sample tube, two caps including two PTFE coated O-rings are needed. Furthermore, two PTFE coated o-rings and a Kalrez o-ring are needed for the instrument. For convenience, all necessary P/Ns can be bought in a kit:

| 223-57104-41SE | TD Startup Kit, includes:
10 x Sample tube TENAX TA (60/80) – (P/N 980-24308)
10 x Viton O-ring PTFE coated – (P/N 223-57166-91)
1 x Kalrez O-ring for joint side (high temperature) – (P/N 036-15680-09)
20 x Caps for sample tubes including necessary O-rings – (P/N 223-54617-41) |

Trap tubes and accessories for HS-20, TD-30 and TD-20

Because desorption from the sample tube needs some time, a re-focusing step is needed in order to obtain sharp peaks. Therefore, a cooled trap tube filled with packing material similar to that of the sample tube is used. A ferrule and a sleeve set are needed to install the trap tube.

Standard recommendation:

225-23328-41 - Trap Tube – Tenax TA
223-54423-91 - Graphite-Vespel ferrule
035-62972-02 - Sleeve set

P/N	Description	
225-23328-41	Trap Tube – Tenax TA (60mg)	
223-54144-92	Trap tube – Carboxen 1000 (70 mg)	
225-23328-42	Trap Tube – Carbopack B (50 mg) + Carbosieve S3 (10 mg)	
223-54144-96	Trap tube – Tenax TA (50 mg) + Carboxen 1000 (20 mg)	
223-54144-97	Trap tube – Carbopack Y (70 mg)	

223-54423-91	Graphite-Vespel ferrule (GV-1/8) (2 pcs)	

035-62972-02	Sleeve set SS-200	

221-57492-30	Glas insert for empty trap tubes (223-54066)	

Other accessories for HS-10

To connect the HS-10 transfer line to the SPL injector, a pre-penetrated injector septum and a special liner are needed:

P/N	Description	
221-76863-73	Inert Liner Straight, 1.2mm ID (1 pcs)	
221-76863-96	Perforated Septum	

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