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### P3.20

## CHECK-KIT CHEMVIRO

Controlling and research agencies are confronted ever more with problematic sampling situations. Even within production units various sampling situations may occur. In any case it is essential that a representative sample can be taken.

Experience of the past few years has taught which equipment combines effectiveness and safety in one. Sampling and resulting analysis should have conclusive force to be really useful.

Quality of sampling-procedure and -equipment must be beyond doubt. As this applies to every sampling, decontamination of the equipment must be simple and effective.

This also implies that the choice of material for the equipment will have to be such that the material will in no way influence the samples.

Finally sampling procedures must be simple so that every properly instructed person can apply them effectively.

**20.05 Check-kit Chemviro, standard set for sampling hard, soft and fluid waste, chemicals, water, sludge and soil**

The set is composed for use by various agencies for investigation and control. The check-kit is packed in two easily portable tubes and a case. Instructions for use with suggestions for cleaning are included in this all purpose set.

The kit is particularly employable for sampling related to Laws on Hazardous Waste.

The kit comprises equipment for sampling solid and/or dry matter up to 2 meter depth i.e. one Edelman- and one Riverside auger for cohesive and loose material as well as a gouge to be used in firm material. For core sampling of aggressive sludge, pastes and water bottoms a stainless steel piston sampler forms part of the kit. For core sampling of fluids a liquid layer sampler made of teflon is included. Also for fluids with a sludge- or floating layer in vessels and basins to a depth of 0.9 meter.

The liquid layer sampler has taken a sample of separated fluids.



The gouge is used to take a sample of the soil or of dumped solid chemical waste.



Check-kit Chemviro

# CHECK-KIT CHEMVIRO



P3.20

Deep open water, monitoring wells or very aggressive fluids can be sampled with the bailer sampler.

Unique is the addition to this kit of a hand-operated peristaltic pump. The apparatus can be applied without any risk of cross contamination since the (cheap) tube is replaced prior to every sampling. The peristaltic pump can, apart from use for sampling in various fluids, also be applied to detect a watery sludge at the bottom of an underground storage tank.

Another advantage of the peristaltic pump is that after sampling there is nothing left to clean. The tube is discharged in a bag for chemical waste: it is not re-used.

An instrument for easy sampling, to be quickly cleaned, is the plunging siphon. This "gigant pipette" can be used to sample homogeneous fluids in drums or basins.

The plunging siphon is made of teflon throughout.

## 20.07 Flap gouge auger for depth specific sampling in dry or wet material, standard set for sampling to a depth of 2 m

The flap gouge auger is an apparatus for depth specific sampling in dry or wet firm material.

The slender construction enables easy penetration of (top) layers. In this way the sample can be taken at a specific depth.

This construction, however, makes the flap gouge auger not suited for use in hard soils or similar material.

The flap gouge auger is very useful for taking samples in drums, tanks, bags and big bags from for instance powder, grain, granulates (< 3 mm) and pastes.

The standard set, among other items, consists of: a stainless steel flap gouge auger, a top piece, extension rods and various accessories. The whole can be transported in a solid carrying bag.



Flap gouge auger set



## PARTS LIST

| Art.no.                           | Description  | Qty.<br>in set | Art.no.       | Description   | Qty.<br>in set |
|-----------------------------------|--|----------------|---------------|---|----------------|
| <b>Check-kit Chemviro (P3.20)</b> |  |                | **12.20.00    | Tube dispenser for tube 2x4 mm (100 m), 4x6 mm (100 m), 6x8 mm (100+200 m), 8x10 mm (100 m) and 10x12 mm (75 m)   | 1              |
|                                   | <b>For representative sampling in various situations a complete set is composed, which is very suitable for use by controlling agencies and research bureaux.</b>                            |                | **12.18.02    | Plunging-siphon, translucent teflon, Ø 19x16 mm, length 90 cm, contents 0.17 l, with 2 removable narrowing cones with inflow openings for liquids with various viscosities, incl. protective tube | 1              |
| <b>20.05</b>                      | <b>Check-kit Chemviro, standard set for sampling hard, soft and liquid waste, chemicals, sludge and ground</b>   |                | **12.18.12    | Plunging-siphon, polypropylene, disposable. Ø 12 mm, thickness of wall 0.5 mm. Length 107 cm, volume (max.) 100 ml. Set of 50 pieces  | 1              |
| **01.02.02.05.B                   | Edelman auger, bottom part, comb.type, bay., Ø 5 cm  | 1              | **13.99.01    | Tracing liquid, colour yellow/green, fluorescent, biodegradable. For analyzing streams in open water and sewer systems.   | 1              |
| **01.04.00.05.B                   | Riverside auger, bottom part, bay., Ø 5 cm   | 1              | **20.05.25    | Bottle of 0.45 liter Water detection paste, tube of 85 gr   | 1              |
| **01.10.17.B                      | Handle, normal, 60 cm, with all synthetic, detachable grip (incl. coupling sleeve), bay.   | 1              | **20.05.26    | Oil detection past, pot 62 gr.  | 1              |
| **04.02.01.30.B                   | Gouge auger, bottom part, op. length 50 cm, bay., Ø 30 mm  | 1              | **20.05.10    | Rod, telescopically exentable until 2.5 m, aluminium  | 1              |
| **04.05.01.20                     | Bent spatula, breadth 20 mm  | 1              | **20.05.10.01 | Beaker, 600 ml, with adapter for telescopic rod 20.05.10  | 1              |
| **01.10.07.B                      | Extension rod, 100 cm (incl. coupling sleeve) bay.   | 1              | **20.05.10.02 | Sampling spoon, stainless steel, with adaptor, for telescopic rod   | 1              |
| **01.09.01.B                      | Piston sampler (incl. transport tube), bottom part, operational length 75 cm, bay.   | 1              | **20.05.05    | Wrench for opening barrels, universal, sparkfree  | 1              |
| **01.09.00.02                     | Ropes (2), stretch-proof, with noose, length 5 m. Polyester covering, strong stretch-proof core material for accurate operation of pistons in core samplers. Complete with one carabine hook | 1              | **20.05.07    | Multiple pliers with insulation   | 1              |
| **12.40.01                        | Translucent teflon sample tube, Ø 35 mm, length 90 cm, contents 0.67 l   | 1              | **09.04.09    | Pull-out hook   | 1              |
| **12.40.11                        | Operating rod with knob and adjustable/removable Teflon piston, length 110 cm (incl. protective cover)   | 1              | **17.20.01.20 | Fibre glass measuring tape in metal frame, length 20 m, tape width 16 mm, graduation in cm  | 1              |
| **12.40.21                        | Transport tube for sample tube Ø 35 mm, length 90 cm, natural HDPE   | 1              | **20.05.27    | pH indicator paper 0-14 pH, in synthetic dispenser with 100 strips and colour comparison scale  | 1              |
| **12.40.31                        | Bottom stop, stainless steel, for sample tube Ø 35 mm  | 1              | **20.05.09    | Funnel, plastic   | 1              |
| **12.40.32                        | Top stop, stainless steel, for sample tube Ø 35 mm   | 1              | **99.08.07    | Sample bottle, brown glass, wide neck, screw cap with teflon insertion, 1000 cc, set of 6 pcs.  | 1              |
| **12.16.16                        | Bailer sampler, disposable, HDPE, Ø 40 mm, length 97 cm, contents 1 l, incl. bottom emptying device, individually packed, set of 25 pcs.   | 1              | **99.08.20    | Sample bags, polyetylane, pack of 100 pcs.  | 1              |
| **12.16.40                        | Teflon coated steel cable, Ø 2 mm, length 5 m  | 1              | **20.05.17    | Labels, self-adhesive, 70x32 mm, 100 sheets of 27 pcs.  | 1              |
| **12.16.45                        | Reel small model with holes for attachment of wire   | 1              | **20.05.19    | Tube cleaner, 30 mm   | 1              |
| **12.23                           | Hand-operated peristaltic pump with stand  | 1              | **20.05.21    | Tube cleaner, 40 mm   | 1              |
| **12.20.48                        | Silicone tube, complete with polyamid tube clamp, Ø 6x10 mm, pressure head lift 5.5 m, roll of 5 m, with ETU-hallmark, talced  | 1              | **08.09.08    | Flat brush, length 35 cm  | 1              |
| **12.20.05                        | Polyethylene tube, diameter 6x8 mm, roll of 200 m, with ETU-hallmark   | 1              | **20.05.15    | Tissues, odourless, professional type, box of 100 pcs.  | 1              |
|                                   |  |                | **20.05.31    | Sprayer to mist liquids, middle pressure type with mounted pump. Content 1.25 liter   | 1              |
|                                   |  |                | **20.05.33    | Sprayer to mist liquids, with finger-operated pump. Content 1 liter   | 1              |
|                                   |  |                | **20.05.29    | Decontamination fluid, concentrated, 1 liter, phosphate-free  | 1              |
|                                   |  |                | **20.05.35    | Protective plastic (HDPE) sheets, size 100x40 cm,   | 1              |

# PARTS LIST



| Art.no.       | Description   | Qty.<br>in set | Art.no. | Description | Qty.<br>in set |
|---------------|---|----------------|---------|-------------|----------------|
|               | set of 5 pieces   |                |         |             |                |
| **20.05.01    | Carrying tube pvc,<br>dim. 115x12.5 cm  | 2              |         |             |                |
| **99.08.10    | Stainless steel bucket with<br>graduation in litres,<br>contents 10 liter   | 1              |         |             |                |
| **20.05.03    | Carrying case, polypro-<br>pylene, dim. 60x40x30 cm,<br>with compartments   | 1              |         |             |                |
|               | <b>Depth specific sampling in<br/>dry or wet firm material is<br/>possible with the flap gouge<br/>auger, which is included in<br/>a complete set.</b>                      |                |         |             |                |
| <b>20.07</b>  | <b>Flap gouge auger for depth<br/>specific samplings in dry or<br/>wet material, standard set<br/>to a depth of 2 m</b>   |                |         |             |                |
| **06.01.30    | Stainless steel handle,<br>M-10 thr.  | 1              |         |             |                |
| **06.01.31    | Stainless steel extension<br>rod, Ø 15 mm, 50 cm,<br>M-10 thr.  | 3              |         |             |                |
| **20.07.01M   | Flap gouge auger for depth<br>specific samplings in dry or<br>wet material, stainless steel,<br>operational length 30 cm,<br>contents 47 ml, Ø Auger<br>25 mm, Ø flap 50 mm | 1              |         |             |                |
| **04.05.01.16 | Bent spatula, breadth 16 mm   | 1              |         |             |                |
| **99.50.12    | Spanner 12x13 mm  | 2              |         |             |                |
| **08.09.08    | Flat brush, length 35 cm  | 1              |         |             |                |
| **01.11.01.02 | Oilpad  | 3              |         |             |                |
| **01.11.03    | Work gloves, pair, oil- and<br>grease resistant, sturdy,<br>with short sleeve   | 1              |         |             |                |
| **07.00.00    | Carrying bag for field<br>equipment with handgrip,<br>Ø 20x77 cm  | 1              |         |             |                |