



Now with full EPA Approval for reporting of cyanide in drinking water and wastewater.

# A Revolution in Distillation Technology!

With the MICRO DIST system from Lachat Instruments, you can now distill up to 21 samples for cyanides, sulfide and ammonia in 30 minutes; and phenolics and tritium in 90 minutes. MICRO DIST eliminates the need for bulky, expensive, clumsy and time-consuming glassware-based distillation units while accommodating liquid and solid samples.

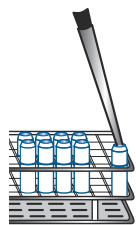
## FOR SAVING TIME, MONEY, AND REDUCING COMPLEXITY, MICRO DIST® OUTSHINES OTHER TECHNIQUES

### Time Comparisons

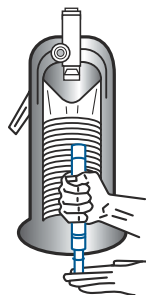
	MICRO DIST	MIDI	MACRO
Setup Time (min.)	15 (21 samples)	80 (10 samples)	240 (10 samples)
Warm-up Time (min.)	15	15	60
Distillation Time (min.)	30 (21 samples)	60 (10 samples)	60 (10 samples)
Cool-down Time (min.)	0	15	30
Clean-up & tear-down time (min.)	5	60	60
Total (min.)	65	230	450

### Other Benefits

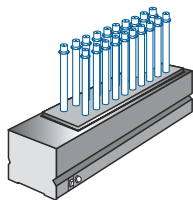
	MICRO DIST	MIDI	MACRO
Fume hood required	No	Yes	Yes
Bench area needed (sq. in.)	24 (21 samples)	120 (10 samples)	144 (5 samples)
Breakable ground-glassware	No	Yes	Yes
Sample volume required (mL)	6	50	500
Sample waste volume after distillation (mL)	4	~48	~480
Purge cylinder gas required	No	Yes	Yes
Running cooling water required	No	Yes	Yes

**MICRO DIST® Makes Distillation Easy!**

1. Place 6 mL of sample into the Sample Tube.



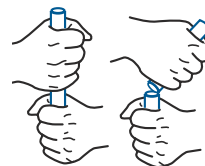
2. Attach the Sample Tube to the Collector Tube.



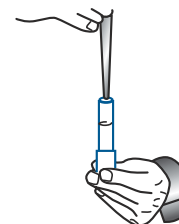
3. Place the tube assembly into the heating block and heat the samples for 30 minutes.



4. Remove each tube from the block and disconnect the Sample Tube from the Collector Tube.



5. Snap the Collector Tube in half.



6. Bring the Distillate in the Collector Tube up to volume with DI water.

**Specifications\*****Dimensions (W x D x H)**

72 x 17 x 33 cm (28 x 7 x 13 in.)

**Electrical**

110–120 Vac, 11A; 220–240 Vac, 5A

\*Subject to change without notice.

**How To Order**

Includes heating block, Digital Temperature controller, complete accessories kit, Instructional CD, and Methods Manual.

**MDD001** MICRO DIST Block, Digital, Complete Unit, 110V

**MDI001** MICRO DIST Block, Digital, Complete Unit, 220V

**TUBES**

MICRO DIST® tubes are available pre-filled with trapping solution. For users wishing to fill MICRO DIST® tubes themselves, the User-filled option is available.

**PRE-FILLED**

**A17001** Cyanide-1, Sodium Hydroxide Trapping Solution, 21/pkg.

**A17021** Cyanide-2, Caustic Extract, 21/pkg.

**A17031** Cyanide-3 WAD, 21/pkg.

**A17011** Cyanide-5, Sodium Hydroxide and Lead Carbonate Trapping Solution, 21/pkg.

**A17002** Phenolics-1, 21/pkg.

**A17003** Sulfide-1, Zinc Acetate Trapping Solution, 21/pkg.

**A17009** Sulfide-2, Sodium Hydroxide Trapping Solution, 21/pkg.

**A17014** Tritium, 10/pkg.

**A17114** Tritium, 100/pkg.

**USER-FILLED**

**A17017** User-filled, 10/pkg.

**A17517** User-filled, 50/pkg.

**A17117** User-filled, 100/pkg.

**A17517A** User-filled for Ammonia, 50/pkg.

**A17117A** User-filled for Ammonia, 100/pkg.

**For Technical Assistance, Price Information and Ordering****In the U.S.A.**

Call toll-free (800) 247-7613.

**Outside the U.S.A.**

Contact the LACHAT office or distributor serving you.

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