AOF Sample Preparation
Take the Fast Lane to Success

Our APU systems work fast and minimize blank values while increasing your AOF sample throughput. You remain flexible and cost-effective.

- Automatic enrichment of up to 28 samples for AOF, AOCl, AOBr and AOI analysis (DIN 38409-59)
- Low AOF blank values
- Ideal for unattended 24/7 operation
- Minimum maintenance effort and downtimes
- Full flexibility – compatible with many columns
- Very robust, suitable for particle-containing and saline samples
- Versatile: Also suitable for sample preparation for AOX determination according to column method (ISO 9562)

APU 28 connect –
Fully automated sample preparation according to column method

APU 28 connect systems combine usability and speed in AOF sample preparation. The touch display enables easy operation. Parallel sample enrichment with the APU 28 connect S allows you to significantly reduce the preparation time for AOF determination in your lab.

- Automatic enrichment of up to 28 samples
- Ideal for unattended 24/7 operation
- Low AOF blank values
- Application versatility – AOF, AOCl, AOBr, AOI, SPE variants, as well as AOX and SPE-AOX

Time-saving SPE-AOF preparation

The SPE option is ideal for samples with high levels of inorganic halides. For AOF determination, this method is recommended for fluoride concentrations of 1 mg/L and above. The APU 28 connect SPE allows automatic AOF and SPE-AOF sample preparation with only one device in one run, simplifying your routine analysis.

Unlimited flexibility

All APU systems can be used with AOX/AOF adsorption columns of other manufacturers. Thus, all APU enrichment units can be combined with any type of AOF or AOX analyzer – you simply choose the best solution for your laboratory.

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AOF columns and more

We offer consumables and activated carbon columns not only for our APU systems, but also for sample preparation systems of other manufacturers. Column holders are available in the following sizes: 18 x 6 mm, 40 x 9 mm and 47 x 6 mm. AOF and AOX columns are available in the sizes 18 x 6 mm and 40 x 9 mm and are characterized by very low blank values. Various packaging sizes complete the range – you choose what best suits your lab routine.

APU sim – ideal for small sample series

APU sim offers the simultaneous and fast enrichment of up to six AOF, AOCl, AOBr, AOI, or AOX samples according to the column method. Semi-automated processing according to the SPE method is also possible. Designed with three enrichment channels, each channel can be operated and started individually. Sample volume, rinse volume, and adsorption rate can be selected separately for each channel. Whether clear or turbid water, the system masters every matrix and stands out with excellent particle handling. Thanks to the large diameters of the hoses and the absence of conventional valve technology, particles are easily transferred to the enrichment columns. The intuitive control panel makes operation easy. APU sim is suitable for columns of all brands up to a total length of 150 mm.

- Simultaneous processing of up to 6 (3x2) AOF samples in accordance with DIN 38409-59
- Intuitive operation
- Low-fluorine materials ensure low AOF blank values
- Advanced particle-handling
- Extremely fast: 6 samples prepared in < 45 min
- Suitable for different column brands

www.analytik-jena.com/aox-samplepreparation ▸

Our support offerings

AOF sample preparation is new to you? Benefit from our free support services and contact us at info@analytik-jena.com. You can also choose between online or on-site trainings tailored to your individual needs.

Headquarters

Analytik Jena GmbH+Co. KG
Konrad-Zuse-Str. 1
07745 Jena · Germany

Phone +49 3641 77 70
Fax +49 3641 77 9279
info@analytik-jena.com
www.analytik-jena.com

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Subject to changes in design and scope of delivery as well as further technical development!

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