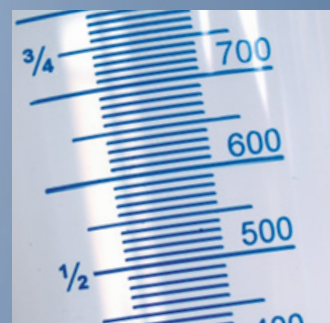


Competence in lab plastics.

MEASUREMENT ACCURACY TO THE HIGHEST DEGREE



VITLAB 
Competence in Labware

Reliability from development to service.

Tradition

VITLAB can look back on a history of almost 100 years. VITRI GmbH & Co. KG was founded in Mühlthal (Germany) back in 1908. In 1989, the laboratory division was established as the independent company, VITLAB. Today, VITLAB is a leading manufacturer of liquid handling instruments and performance plastic products for one-time or long-term use. We develop and manufacture these products at our own production facility.

Our Offering

VITLAB supports laboratory work on a myriad of applications with its comprehensive product range. Whether you're measuring volume, taking and storing samples or you just need general laboratory tools – our laboratory products are developed and manufactured with the aim to simplify your daily work, and ensure consistently perfect results.

Quality

Independent inspections and routine internal audits guarantee the effectiveness of VITLAB's quality management system throughout the company, from development to shipment. As a result, the phrase 'Made by VITLAB' has become synonymous with quality.

Service

Thanks to its intensive partnerships with distributors almost everywhere in the world, VITLAB can offer reliable availability of its products, sound advice and seamless logistics. Our qualified product training sessions provide information and tips on using our laboratory products and liquid handling devices. Just in case, our trained repair service is on hand to keep downtimes to an absolute minimum.

Plastic materials for daily laboratory use.



Advantages

It is difficult to imagine a laboratory today which does not make use of the wide variety of plastic materials. There are many good reasons for this: High quality plastic materials show a significant level of resistance to chemical substances. Superior break resistance means that the products can be used for a long period of time. Danger of injury in the laboratory is greatly reduced. Light weight materials make handling of the equipment easier. And last, but certainly not least: Laboratory equipment made from plastic materials is less expensive.

Measurement accuracy

The importance of the degree of measurement accuracy in your laboratory routines cannot be overstated. VITLAB has decades of experience in the development and production of laboratory products which are used to measure volume. Based on DIN 12681 – which incidentally was established through the initiation of VITLAB – VITLAB was the first manufacturer to make Class A, conformity-certified measuring cylinders available in PMP plastic.

Conformity

VITLAB guarantees that the measuring devices are calibrated in accordance with the Germany Calibration Regulations. The special manufacturing process, developed by VITLAB, and the proven VITLAB quality management system, ensure that the tightest tolerances for the adherence to measurement standards are maintained.

Fluoroplastic PFA

Particularly rigid requirements are placed on laboratory equipment which is to be used in the area of trace analysis. VITLAB is one of the few manufacturers which use the fluoroplastic PFA in these applications. Laboratory products made from this high performance plastic guarantee long-term stability in the results of laboratory measurements. They exhibit a high level of resiliency against aggressive chemical substances and can also be used from -200°C to $+260^{\circ}\text{C}$. Their extremely smooth surfaces make them easy to clean and prevent the “memory effect” from occurring.

Highest precision volume measurement

Volumetric flasks

Exact measurements of a wide variety of liquids are especially important wherever measurement analysis takes place. Along with pipettes, volumetric flasks are the most accurate volume measuring tools in a modern laboratory. They do not show a system of graduated scale markings, but rather a single calibration mark. This mark extends around the neck and the calibrated volume is clearly marked. The tolerances for the volume of the flask contents are dictated by the German Calibration Regulations and the recommendations of ISO and DIN. These tolerances are adhered to very strictly and often even surpassed.

VITLAB adjusts each individual receptacle according to DIN EN ISO 1042 at a room temperature of 20°C. This significantly exceeds the required tolerances for Class B measuring flasks. Even after autoclaving at a temperature of 121°C for a period of 20 minutes, the high degree of accuracy is maintained. Because of the anti-stick characteristics of the material, measuring flasks from VITLAB can assure that the measured liquid quantity (In) is the same at the removed quantity (Ex).



in ng devices.



Volumetric Flasks (PFA), Class A

Supplied with a PFA screw-on cap, this flask can be sealed tightly to prevent contamination. Tolerances are Class A according to DIN EN ISO 1042. Highly transparent, with a ring mark which can be individually adjusted; high temperature and chemical resiliency. Available in 5 sizes, ranging from 25 to 500 ml.



Volumetric Flasks (PMP), Class A

With NS stoppers (PP). Tolerances are Class A according to DIN EN ISO 1042. Glass-clear, with a ring mark that can be individually adjusted; stamped lot number and certificate. Available in 6 sizes from 25 to 1,000 ml.



Volumetric Flasks (PMP), Class B

With screw caps (PP) and/or NS stoppers (PP). Tolerances substantially better than those dictated for Class B according to DIN EN ISO 1042. Glass-clear with a ring mark which can be individually adjusted. Available in 6 sizes from 25 to 1,000 ml.



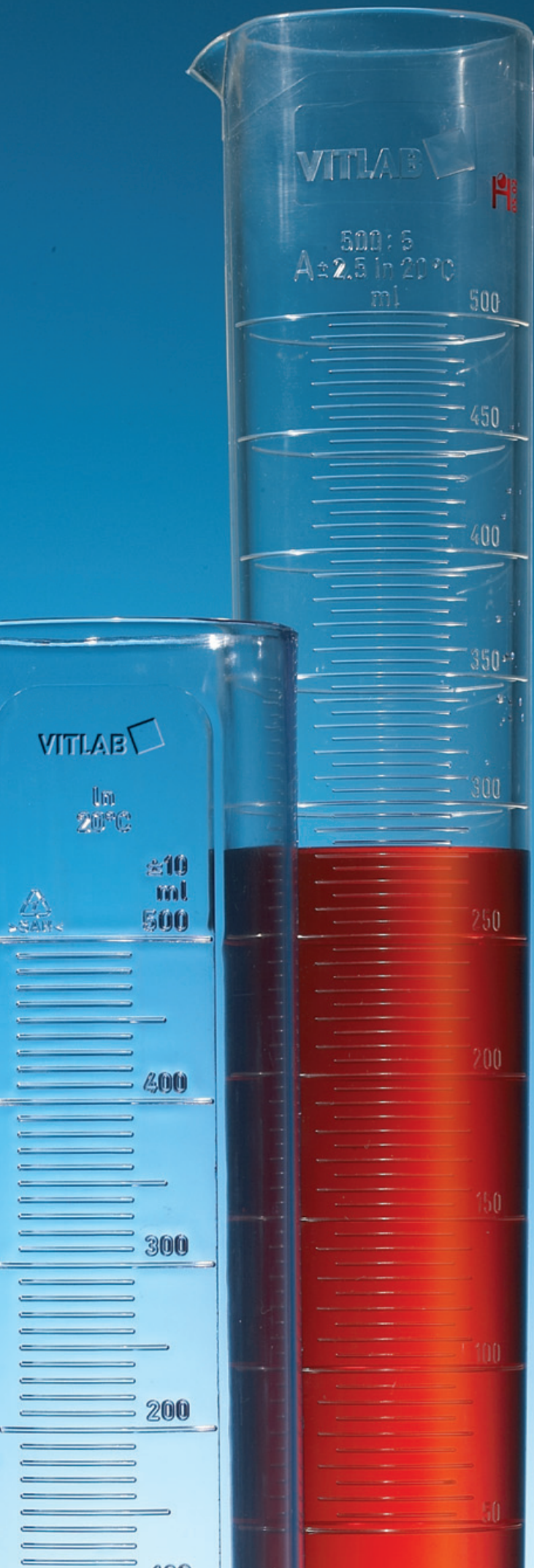
Volumetric Flasks (PP), Class B

With screw caps (PP) and/or NS stoppers (PP). Tolerances substantially better than those dictated for Class B according to DIN EN ISO 1042. Highly transparent with a ring mark which can be individually adjusted. Available in 6 sizes from 25 to 1,000 ml.

Exact scaling for measurement of

Measuring cylinders

VITLAB uses only plastics of the highest quality for the production of measuring cylinders which makes them suitable for many applications. The slightly conical shape ensures a stable side wall. The large, specially designed hexagonal base gives the cylinder a steady, vertical stance – an important prerequisite for accurate measuring. The scales of the VITLAB measuring cylinders are molded into the material and remain clearly visible even after daily cleaning in the dishwasher. The scale structure is also available with a blue embossing, if so requested. This particularly durable and bright color makes the reading of the scale easier. The calibration takes place during the filling of the receptacle (In) at a room temperature of 20°C, according to DIN 12681/ISO 6706. Even after autoclaving at a temperature of 121°C for a period of 20 minutes, the high degree of accuracy is maintained. Because of the anti-stick characteristics of the material, measuring cylinders from VITLAB can assure that the measured liquid quantity (In) is the same as the removed quantity (Ex).



easy volumes.



Tall measuring cylinder, PMP, conformity-certified

Class A according to DIN 12681/ISO 6706, glass-clear, with a raised scale and ring marker at the primary scale points. Test certificate with batch number and year of manufacture are supplied with each delivery product. Available in 7 sizes from 25 to 2,000 ml.



Tall measuring cylinder, PMP

Class A according to DIN 12681/ISO 6706, glass-clear, with a raised scale and ring marker at the primary scale points. Available in 8 sizes from 10 to 2,000 ml.



Tall measuring cylinder, PP

Class B according to DIN 12681/ISO 6706, highly transparent, with a raised or raised blue embossed scale and ring marker at the primary scale points. Available in 8 sizes from 10 to 2,000 ml.



Tall measuring cylinder, SAN

Class B according to DIN 12681/ISO 6706, glass-clear, with a raised scale and ring marker at the primary scale points. Available in 8 sizes from 10 to 2,000 ml.



Short measuring cylinder, SAN

Glass-clear, with a raised scale. Available in 6 sizes from 25 to 1,000 ml.



Short measuring cylinder, PP

Highly transparent, with a raised scale. Available in 6 sizes from 25 to 1,000 ml.

Practical helpers the measuring of



Graduated pitchers

Everyday activities in the laboratory are unimaginable without the use of measuring cups to receive and at the same time measure liquids. VITLAB measuring cups can be gripped easily, securely and comfortably with their ergonomically designed handles. That will make your job easier and safer as you handle a wide range of liquids. The spout is designed to function correctly and accurately every time. Unwanted drips are practically eliminated.

VITLAB graduated pitchers have an extremely accurate scale because of high quality production standards. The tolerances of +/- 10% according to DIN 7056 for graduated pitchers is clearly surpassed. The adjustment takes place during a molding (In) at a room temperature of 20°C. Even after autoclaving at a temperature of 121°C for a period of 20 minutes, the high degree of accuracy is maintained. Because of the anti-stick characteristics of the material, measuring flasks from VITLAB can assure that the measured liquid quantity (In) is the same as the removed quantity (Ex).

in f volumes.

Individuality

VITLAB specializes in the printing of exact scales of laboratory instruments. Companies can use this know-how for individually designed scales or for product and company

logos, which can be used for internal labeling or the printing of promotional articles to enhance the sales process.



Graduated pitchers (PP)

Raised scale, highly transparent. Available in 8 sizes from 50 to 5,000 ml.



Graduated pitchers (PP)

Raised, blue embossed scale, highly transparent. Available in 8 sizes from 50 to 5,000 ml.



Graduated pitchers (SAN)

Raised scale, glass-clear. Available in 5 sizes from 250 to 3,000 ml.



Graduated pitchers (PP)

Embossed, blue scale, stackable, highly transparent. Available in 5 sizes from 250 to 3,000 ml.

The versatile choice for everyday use in the laboratory.

Griffin beakers / Erlenmeyer flasks

The range of possible uses for measuring cups without grips, what we refer to as Griffin beakers and Erlenmeyer flasks, named after the chemist Emil Erlenmeyer (1825-1909), is practically unlimited. Whether you use them for stirring or mixing – they are valuable aids for your everyday activities in the laboratory.

Just like all of the volume measuring tools offered by VITLAB, the scales on these cups are very accurate due to superior manufacturing techniques and excellent printing procedures. The tolerances of +/-10% which are laid down in the norms DIN 12331 for glass and DIN 7056 for plastics are clearly surpassed.



Griffin beakers (PFA)

Raised scale, transparent, high temperature and chemical resistance. In six sizes from 25 to 1,000 ml.



Griffin beakers (ETFE)

Printed, black scale, transparent, high temperature and chemical resistance. In eight sizes from 25 to 1,000 ml.



Griffin beakers (PMP)

Printed, red scale, glass-clear. In 14 sizes from 10 to 5,000 ml.



Griffin beakers (PP)

Printed, blue scale, highly transparent. In 14 sizes from 10 to 5,000 ml.



Erlenmeyer flasks (PMP)

Wide neck opening, glass-clear, with screw cap made of PP, suitable for NS stopper. In five sizes from 50 to 1,000 ml.



Erlenmeyer flasks (PP)

Wide neck opening, highly transparent, with screw cap made of PP, suitable for NS stopper. In five sizes from 50 to 1,000 ml.



Erlenmeyer flasks (PC)

Wide neck opening, glass-clear, with screw cap made of PP, suitable for NS stopper. In the sizes 250 and 500 ml.

Sedimentation Cone

VITLAB plastic sedimentation cones satisfy the same rigid technical specifications (DIN 12672) as do similar containers made from glass, but at the same time offer a much lower risk of breakage.

Range : Graduation			
0 - 2 ml	: 0.1 ml	40 - 100 ml	: 2.0 ml
2 - 10 ml	: 0.5 ml	100 - 1000 ml	: 50.0 ml
10 - 40 ml	: 1.0 ml		

Pipettes

VITLAB offers a wide assortment of measurement and full pipettes, as well as a complete range of accessories for your daily activities in the laboratory. Complete information is available for you at www.vitlab.de



Measuring pipettes (PP)

Highly transparent, break resistant. In four sizes from 1 to 10 ml.



Full pipettes (PP)

Highly transparent, break resistant. In six sizes from 1 to 50 ml.



Single-use pipettes (PS)

Available both as sterilized and unsterilized, glass-clear. In 5 (4 unsterilized) sizes from 1 to 25 ml.



Sedimentation cone (SAN)

Produced according to Imhoff. Raised scale, glass-clear. With a threaded tip to allow for easy cleaning. Size 1,000 ml.



More information about VITLAB?

We will be happy to send you
more information about

- VITLAB laboratory products made from PFA
- VITLAB laboratory products for storage
- VITLAB liquid handling equipment
- VITLAB catalogue

or

- the options for customized imprints
on VITLAB laboratory products.

Distributor

