



**In your laboratory,
rely on Scharlab**





CHEMICALS

Multisolvent®

- A single product suitable for many applications
- Isocratic HPLC, UV-VIS spectrophotometry, Karl Fisher titration, Chromatography
- Analytical reagent grade ACS



Chromatography

HPLC solvents:

- Low UV absorption
- Low water and contaminants content
- Microfiltered 0.22µm
- Lot to lot consistency
- Isocratic, Gradient and Supragradient qualities

LC-MS solvents: Low alkaline metals content

UHPLC-MS solvents: Low alkaline metals content and 0.1µm microfiltered

GC solvents:

- Special solvents for the analysis of pesticides and for organic residues in environmental analysis
- Solvents for Head Space GC

Ion Chromatography Standards: ISO17025 compliant



Aquagent® Karl Fisher Titration

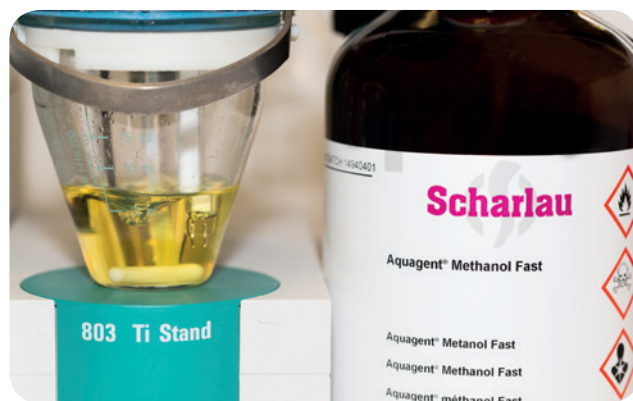
Volumetric titration with One and Two-component reagents

Coulometric titration for cells with or without diaphragm

Water standards

With special reagents for:

- Ketones and Aldehydes
- Carbohydrates, inorganic salts and proteins
- Oils and fats
- Crude and related products
- Strong Acids



AAS Standards

- Used as external standards to calibrate AAS equipment
- Manufactured using high purity elements and acids to guarantee optimum performance
- NIST Traceable
- The Certificate of Analysis always supplied with the product
- Two product lines: regular and ISO 17025 compliant

Reagent Grade Acids for FAAS and CVAAS

- Up to 34 elements analysed
- Compliant with ACS and ISO
- Special products with low mercury content (max. 5 ppb Hg)

Acids and Bases

- Reagent, extra pure and synthesis grades available
- Different packaging to meet your needs: from small sizes to 200l bulk
- Acids: anti-dipping ring on the glass bottles, maximising safety
- Strong acids available in glass safety bottles, with polyethylene outer layer to prevent from breakage in the event of a fall

Ultratrace® Ultrapure Acids and Reagents

- Outstanding low metal content, purest acids available
- Analytical results for more than 60 metals, determined using ICP-MS
- ppb and ppt grades
- In HDPE and PTFE bottles, safer and no metallic transfer



ICP Standards

- Used as external standards for the calibration of ICP equipment
- Manufactured from metals with a minimum purity of 99.99%, dissolved in ultrapure acids
- NIST Traceable
- Produced in an accredited ISO 17025 and ISO Guide 34 laboratory
- Certificate of Analysis always supplied with the product
- Concentration 1000 ppm
- Wide range of single element standards and also multi-element mixtures
- Tailor made mixtures on request



Standard Buffer Solutions

- Directly traceable to standard NIST reference material. Five-point calibration performed
- Uncertainty $\leq \pm 0.01$ pH units
- 2-3 years shelf-life
- pH - Temperature dependence tables given in our certificates and printed on labels
- Broad product range (from pH 1 to 13) and packaging options (250ml - 1l)
- Coloured solutions for pH 4, 7 and 10
- Monobuf® option for pH 4, 7 and 10



Monobuf®

- Standard buffer solutions packaged in single doses
- Fresh buffer solution at every calibration
- Colour coded



Conductivity Standard Solutions

- Directly traceable to standard reference materials from NIST
- Uncertainty < 1%
- Conductivity - Temperature dependence tables printed in our certificates and labels

Volumetric Solutions

- Accurate, reliable, for guaranteed results
- Guaranteed factor of 1,000
- Potentiometric titration allows to achieve 1/1000th precision in the factor
- All solutions traceable to NIST primary reference materials to ensure accurate concentrations
- Complete certificate of analysis
- 2-3 years shelf-life, depending on the product and its concentration
- Convenient easy-to use containers, to meet your needs: 1l, 10l Kubitainer
- Tailor made solutions



Titrasure® secondary Reference Standards For Titration

- High purity
- Accurately determined content
- Certificate of analysis with each unit
- Traceable to NIST





All you need for CHROMATOGRAPHY

ExtraBond® Solid Phase Extraction

- Polymeric and silica based phases
- Maximum quality, excellent separation and great recovery.
- Phase type and batch number imprinted on each cartridge for maximum traceability
- Vacuum packed for optimum conservation as well as prevention of possible phase detachments



ExtraBond® QuEChERS

- Wide range of extraction and dispersive kits for pesticide residue analysis using QuEChERS according to European and American regulations
- Product code and batch number imprinted on each sachet and cartridge for maximum traceability
- Extraction kits in sealed sachets for better preservation of the salts and improved results



Syringe filters

- Several types: nylon, PVDF, RC, PTFE, PP
- 13 to 30mm diameter
- PP housing
- Sterile filters available



Vials

- Clear and amber, screw cap and crimp top
- For autosampler, GC-Headspace and for sample storage
- High quality, borosilicate glass type 1 expansion 33, highly resistant



HPLC columns

- Columns for HPLC and LC-MS. 2 to 50mm I.D.
- Columns for UHPLC
- Scharlau's exclusive phase: KromaPhase



GC columns. SGE

- Capillary columns with high performance, robustness, reproducibility and low bleed
- Columns for general use
- Application-specific columns



GC accessories. SGE

- Liners
- Septums
- Ferrules
- O-rings



Syringes

- For autosampler
- For dilutions and manual injection
- Evol. Digital analytical syringe





All you need for your MICROBIOLOGICAL control analysis

Microbiological culture media adapted to the needs of different laboratories:

- Pharmaceutical and Veterinary companies
- Cosmetics industry
- Food and beverage
- Culture media according to ISO directives, Pharmacopoeia Harmonized Methods and International Standards
- CoA including physico-chemical and microbiological control analysis complying to ISO 11133-2014 requirements
- Available in dehydrated and prepared formats
- Water testing laboratories
- Contract Labs
- Clinical laboratories

Dehydrated Culture Media

500g HDPE bottle:

- High Density Polyethylene plastic bottle with hermetic closing cap assuring product long shelf life.
- Additional vacuum outer bag, PAC-o-VAC to provide protection against moisture, dust particles and microorganisms.
- Available for more than 400 products

Prewriteghed sachets:

- Boxes of 5 individual envelopes
- Ready to prepare 500ml
- Available for almost all culture media supplied in 500g



Prepared Culture Media

90mm plates:

- Supplied in boxes of 20 plates (2 x 10 plates)
- Available irradiated plates with double or triple wrapping
- Shelf life: 3 months



Contact plates (Rodac):

- Plates used in environmental surface analysis
- Available in two presentations: Blister (shelf life 6 months) and RD-pack (shelf life 4 months)
- Available irradiated plates with double or triple wrapping



Filtration plates:

- To use with the membrane filtration technique
- Packed within our original RD-pack presentation (box with 30 plates)
- Shelf life: 6 months



Agar in tubes and bottles:

- Metallic cap suitable for microwave re-melting with no loss of functional capacity
- Boxes of 10 flasks of 100ml or 200ml
- Boxes of 20 tubes of 15ml
- Shelf life: 12 months



Broth in tubes and bottles:

- Liquid media ready to use for the pre-enrichment or dilution of samples
- Boxes of 10 flasks: 90, 100, 200, 225, 450, 800 ml
- Boxes of 20 tubes: 5, 9, 10, 19, 20ml
- Shelf life: 12 months



Flexibags:

- Ready-to-use broths and diluents ideal for food testing laboratories having large quantities of samples.
- Available in 2l, 3l and 5l sizes
- Shelf life: 12 months



Additives and Supplements

Additives:

- Sterile and ready-to-use with the appropriate dehydrated culture media after reconstitution
- Supplied as 100 ml individually packed brown bottles



Supplements:

- Freeze dried supplements in boxes of 10 vials
- Safety plastic screw cap that includes a removable or injectable rubber septum
- Available as sterilised diluent in boxes of 10 vials

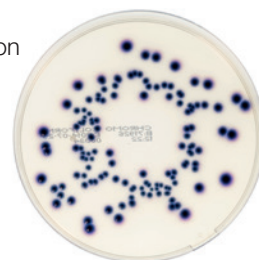


Ingredients

- Products applicable for use to formulate special media or for poured plates manufacturers
- Available in 500g, 5kg and 25kg bulk

Microinstant®

- Family of Scharlab chromogenic and fluorogenic culture media
- Using appropriate chromogenic substrates, Microinstant® offers excellent results after 24 hours of incubation
- Available chromogenic media for Coliform and *Escherichia coli*, *Listeria* and *Cronobacter sakazakii*
- Available in dehydrated and prepared formats



Laboratory FILTRATION

Cellulose extraction thimbles

- Made of high quality cellulose
- Excellent retention and resistance properties
- Wide range of dimensions
- Suitable for extraction systems



Glass microfiber filters

- Made of high purity borosilicate glass microfiber
- Without binding agents
- Resistant to high temperatures (500°C) and most solvents and reagents
- Suitable for analytical and gravimetric analysis, pre-filtration, clarification and analysis of solids suspended in water



Membrane filters

- High quality cellulose nitrate filtration membrane
- Sterile and individually wrapped filters
- Each individual pack has printed batch number



Quantitative ashless filter papers

- Made of pure cellulose
- For analysis requiring high purity quantitative and gravimetric analysis
- Ash content less than 0.01%



Qualitative filter papers for general use

- For general filtration work and routine filtration
- High quality





Laboratory GLASSWARE

Beakers

- Available in low and tall form
- From 5ml up to 10000ml capacity
- With retrace code and double graduated scale*



Erlenmeyer flasks

- From 25ml up to 5000ml capacity
- With retrace code and double graduated scale*
- Available in wide and narrow neck



Volumetric flasks

- From 5ml up to 10000ml capacity
- Class A
- Glass or PE stopper
- Transparent or amber glass
- Blue printed
- Complies with ISO 1042 standard
- Serial number and conformity certified



Burettes

- From 10ml up to 100ml capacity
- Class AS
- With Schellbach stripe
- With glass, conical or spindle PTFE stopcock
- Complies with ISO 385 standard
- Serial number and conformity certified
- Available also in amber glass



Graduated cylinders

- From 10ml up to 1000ml capacity
- Class A
- Available also in amber glass and with stopper
- Complies with ISO 4788 standard
- Serial number and conformity certified



Ground Joint Glassware

- Adapters
- Bottles
- Columns
- Condensers
- Filtration assemblies
- Flasks
- Funnels
- Glassware apparatus
- Homogenizers
- Kipp dispensers
- Pycnometers
- Reaction vessels
- Rotary evaporator spare parts
- Stopcocks
- Stoppers
- Traps
- Vacuum manifolds



Laboratory bottles

- From 100ml up to 20000ml capacity
- With GL45 thread, blue cap and pouring ring
- With retrace code and double graduated scale*
- Available also in amber glass



Volumetric pipettes

- From 0.5ml up to 100ml capacity
- Class AS
- Soda-lime glass
- One or two marks
- Complies with ISO 648 standard
- Serial number and conformity certified



Graduated pipettes

- From 0.5ml up to 50ml capacity
- Class AS
- Soda-lime glass
- Total delivery
- Complies with ISO 385 standard
- Serial number and conformity certified

* For certain capacities.

Custom made Laboratory Glassware

"You imagine and we make it"

Our extensive experience with over 40 years in the field of laboratory glassware, enables us to manufacture the highest quality glassware to suit your requirements.

We also offer other services including repairs, amber, silver and plastic coatings and complete custom assemblies.





Laboratory Catalogue

Chemicals, Culture Media, Consumables,
Equipment, Safety

New Laboratory Catalogue

- ✓ CHEMICALS
- ✓ CULTURE MEDIA
- ✓ CONSUMABLES
- ✓ EQUIPMENT
- ✓ SAFETY



We light up your work life with a broad portfolio

Download new catalogue from our website www.scharlab.com

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