

HYDRANAL™

CHROMASOLV™

FLUKA™

BURDICK & JACKSON BIOSYN™

HIGH-PURITY CHEMICALS FOR HIGH-QUALITY LABS



SOLSTICE RESEARCH CHEMICALS

Engineered for unwavering accuracy and consistency

In modern laboratories, the path to true breakthroughs is often obstructed by hidden variables. Chemical impurities, inconsistent lot-to-lot performance, subpar packaging, and more can introduce “noise” into critical data, leading to failed experiments and costly delays.

When scientists have to focus more on troubleshooting their chemical inputs than managing their day-to-day priorities, innovation slows to a crawl and consequences ripple across the lab.

Solstice Research Chemicals aims to eliminate these challenges with the world's most trusted research chemical brands — Hydranal™, Chromasolv™, Fluka™, and Burdick & Jackson BioSyn™.

From careful material selection to strict quality control, industry-leading purity to innovative packaging, everything we do ensures reproducible and reliable results. Backed by decades of proven process excellence, an expert support team who understands your chemistry, and a legacy that labs around the world trust, **each of our products delivers industry-leading performance today, so you can drive the science that shapes tomorrow.**





ALIGNED TO YOUR APPLICATIONS

Explore the full portfolio
at [Lab.Solstice.com](https://lab.solstice.com)

HYDRANAL™

For all Karl Fischer (KF) titration and water determination needs

Products include:

Karl Fischer titration reagents, water standards, and auxiliaries

CHROMASOLV™

For gas and liquid chromatography, spectroscopy, separation, and extraction

Products include:

LC-MS, HPLC, UHPLC-MS, and GC solvents

FLUKA™

For analytical chemistry

Products include:

Analytical acids, bases, buffers, salts, and solvents

BURDICK & JACKSON BIOSYN™

For biosynthesis, pharmacogenomics, diagnostics, drug discovery technologies, and oligonucleotide and peptide synthesis

Products include:

Biosynthesis solvents and reagents

HYDRANAL™

The global benchmark for Karl Fischer titration

Decades ago, we pioneered the original pyridine-free and alcohol-free KF reagents. Today, our world-class chemists continue to innovate to meet every titration need. Our volumetric and coulometric reagents, certified water standards, and auxiliaries ensure reliable moisture determination across every application. **When accuracy is non-negotiable, scientists trust Hydranal.**

Explore the complete lineup at

go.solstice.com/research-chemicals-hydranal

Key Products:

34805 Hydranal™-Composite 5

34741 Hydranal™-Methanol dry

34698 Hydranal™-Medium K

34836 Hydranal™-Coulomat AG

34840 Hydranal™-Coulomat CG

34828 Hydranal™-Water-Std 1.0

34849 Hydranal™-Water-Std 10.0

Quality you can count on

- Manufactured to the highest global standards under rigorous quality control
- Batch-tested for water content, reactivity, and stability
- Certified water standards data ensures confident calibration
- Technical documentation for regulatory compliance

A legacy labs trust

- The trusted name in Karl Fischer titration for more than 45 years, setting the global benchmark for accuracy that scientists still rely on today
- Recognized in regulatory standards and validated methods worldwide
- The most cited and widely adopted brand for water determination

Made for you

- Precise specialized formulations engineered for your needs
- One- or two-component systems, solvents designed for difficult matrices, auxiliaries that extend method capability, or specialized formulations for unique challenges

State-of-the-art support

- Dedicated technical expertise committed to your success
- Extensive application notes, validated methods, and troubleshooting guidance available whenever you need it

CHROMASOLV™

The clear choice for chromatography solvents

Our globally trusted solvents are synonymous with purity and reliability. Each is manufactured to the highest standards of quality and consistency, supporting precise, reproducible separations across every chromatography application. Built on a century-long legacy of chemical innovation by Burdick & Jackson™ and Riedel-de Haën™, **Chromasolv enables the clarity scientists depend on.**

Explore the complete lineup at
go.solstice.com/research-chemicals-chromasolv

Key Products:

34851 Acetonitrile Chromasolv™, for HPLC, gradient grade, ≥99.9%

39253 Water LC-MS Chromasolv™

34966 Methanol LC-MS Chromasolv™, ≥99.9%

34484 Hexane Chromasolv™ for pesticide residue analysis, ≥ 95% (GC)

Quality you can count on

- Manufactured under rigorous quality control delivers the purity, stability, and low background noise chromatography demands
- Proprietary purification, filtration, and packaging processes
- Uniform composition and consistent detector response

A legacy labs trust

- Backed by more than a century of expertise
- Proven across chromatography instruments, methods, and laboratories worldwide

Made for you

- Designed for compatibility across applications
- Packaging preserves purity from bottle to bench
- Custom blends and packaging for exact needs

State-of-the-art support

- Easy navigation to choose the right solvent for every method, matrix, and instrument
- Expert assistance at every stage, from guidance on solvent selection to troubleshooting complex chromatographic challenges



Dependability in a bottle for every analytical need

Every essential acid, base, buffer, salt, and high-purity solvent in the expansive Fluka portfolio is designed to excel at the daily demands of analytical chemistry labs. Manufactured with ISO-certified quality systems, proven across thousands of methods, and used by researchers around the world for generations — **Fluka is the workhorse scientists trust for reliable results every day.**

Explore the complete lineup at
go.solstice.com/research-chemicals-fluka

Key Products:

16081 Acetic acid $\geq 99,5\%$

31146 Boric acid

32301 Ammonium acetate

30721 Hydrochloric acid

Quality you can count on

- Manufactured under ISO-certified systems, with extensive testing for key specifications of each individual product
- End-to-end quality checks, from raw material selection through final packaging
- Delivers reproducible results day after day

A legacy labs trust

- Cited in scientific literature, validated in industry standards
- Used worldwide in academic, industrial, and regulatory laboratories
- Decades of proven analytical reliability
- Expanded portfolio built for today's evolving needs

Made for you

- Fluka products are specifically designed for each analytical method, whether you're preparing standards or performing trace-level tests
- Reliable packaging options that safeguard purity
- Flexibility for every scale of operation

State-of-the-art support

- Scientists and technical specialists offer guidance on product selection and method compatibility
- Safety documentation available whenever you need it

BURDICK & JACKSON BIOSYN™

Expert blends for your biosynthesis workflows

Made to meet your exact requirements, our high-purity solvents and reagents enable reproducible lot-to-lot consistency. Closed-system processing protects against cross-contamination, while sustainable packaging engineered for biopharma environments preserves product integrity from bench to production. **For high-quality biosynthesis at any scale, scientists choose Burdick & Jackson BioSyn.**

Explore the complete lineup at
go.solstice.com/research-chemicals-biosyn

Key Products:

BC017-56 Acetonitrile

SR666-4X4L 0.02M Iodine, 10% Water, 20% Pyridine, 70% THF (v/v/v)

BR605-4X4L 3% TCA in Dichloromethane

BR664-200 0.05M Iodine, 10% Water, 90% Pyridine (v/v)

BR650-4X4L 16% N-Methylimidazole, 84% THF (v/v)

Quality you can count on

- Advanced purification methods and tightly controlled, closed-system processes protect against cross-contamination and variability
- Dedicated production equipment and rigorous analytical testing confirm purity, stability, and reactivity
- Reproducible lot-to-lot performance and efficient synthesis from bench-scale to production-scale

A legacy labs trust

- Proven legacy of solvent excellence trusted for more than 65 years for purity, reproducibility, and reliability for every biopharma workflow

Made for you

- Built around your exact process needs and developed to fit seamlessly into your workflow, from custom formulations to scalable packaging
- Bench-scale bottles, production drums, and closed-system containers maintain purity and safety
- Returnable Container Program reduces waste without compromising performance

State-of-the-art support

- Expert support helps fine-tune formulations, troubleshoot challenges, and scale processes
- Technical research, patented innovations, and continuous knowledge-exchange informs the expertise we pass on to you

HAVE A UNIQUE FORMULATION OR CUSTOM BLEND?

Solstice LabReady™ saves time without compromising performance

Solstice LabReady is a Solstice Research Chemicals service that takes the time, risk, and variability out of chemical preparation.

Available across each of our product brands, our experts can:

- Develop a custom product in direct collaboration with your team
- Manufacture the blend using closed-system processes
- Verify performance through rigorous quality testing
- Package your product to preserve purity and stability

By shifting routine preparation upstream, Solstice LabReady helps improve safety, streamline workflows, and focus valuable time and resources on generating high-quality results.



Contact us at:

Web: go.solstice.com/research-chemicals

Buy: lab.solstice.com



RESPONSIBLE CARE™
Driving Safety & Sustainability

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