

BURDICK & JACKSON™ BIOSYN™ REAGENTS & SOLVENTS

for DNA/RNA synthesis

Europe



Honeywell

DNA AND RNA SOLVENTS AND REAGENTS

Burdick & Jackson™ BioSyn™ solvents and reagents are specially processed and purified to exacting specifications, ensuring outstanding synthesis efficiency. This makes them ideal for oligonucleotide synthesis regardless of the application.

FEATURES

- High purity reagents to ensure high yields of finished products
- Batch-to-batch consistency and tight specifications for predictable results
- Low-water specifications on solvents drive efficient reactions
- Flexible packaging options connect directly to popular synthesizers

PACKAGING OPTIONS

- 45L, 200L, 1100L, 1400L Stainless Steel Containers*
- Choice of containers with integrated dip tubes: sealed for transport or fully-sealed for transport and production.*

* Requires signup to the Returnable Container Program

BENEFITS

- High quality Solvents & Reagents
- Custom formulations and specifications available
- Fully sealed containers minimize vapors for safer labs and environmental intrusion for optimized shelf life

The BioSyn™ product line includes a wide range of DNA and RNA synthesis reagents, including Deblocking, Activator and Capping reagents, as well as Oxidation reagents and low-water solvents and related products. BioSyn™ products address the needs of users in pharmacogenomics, diagnostics and drug discovery technologies and produce quantities that range from lab scale through production levels.

Burdick & Jackson™ BioSyn™ solvents and reagents are available in a range of package sizes, from glass bottles to 1,400L bulk containers. Flexible packaging options connect directly to popular synthesizers.

Honeywell continues to expand the Burdick & Jackson™ BioSyn™ line of products to accommodate novel chemistries and formulations.

We invite scientists to contact our technical experts, in order to discuss custom reagent formulations, specifications and packaging requirements.





DEBLOCKING REAGENTS (DETRITYLATION)

- 3% Trichloroacetic acid in Dichloromethane (v/v)
- 3% Dichloroacetic acid in Dichloromethane (v/v)
- 3% Dichloroacetic acid in Toluene (v/v)
- 10% Dichloroacetic acid in Toluene (v/v)

ACTIVATOR REAGENTS

BMI

- 0.30M 5-Benzylthio-1H-tetrazole, 0.5% NMI, 99.5% Acetonitrile¹

ETT

- 0.25M 5-Ethylthio-1H-tetrazole in Acetonitrile
- 0.5M 5-Ethylthio-1H-tetrazole in Acetonitrile
- 0.6M 5-Ethylthio-1H-tetrazole in Acetonitrile

CAPPING REAGENTS

- 10% Acetic Anhydride, 10% 2,6-Lutidine, 80% THF (v/v/v)
- 10% Acetic Anhydride, 10% Pyridine, 80% THF (v/v/v)
- 10% Acetic Anhydride, 90% THF (v/v)
- 20% Acetic Anhydride, 30% 2,6-Lutidine, 50% Acetonitrile (v/v/v)³
- 16% N-Methylimidazole, 84% THF (v/v)
- 10% N-Methylimidazole, 90% THF (v/v)
- 10% N-Methylimidazole, 10% Pyridine, 80% THF (v/v/v)
- 20% N-Methylimidazole, 80% Acetonitrile (v/v)

¹ US Patent 7,339,052

³ GE Healthcare product designation for this formulation: Capping B

⁴ Ideal for use as diluent and washing reagent

OXIDATION REAGENTS

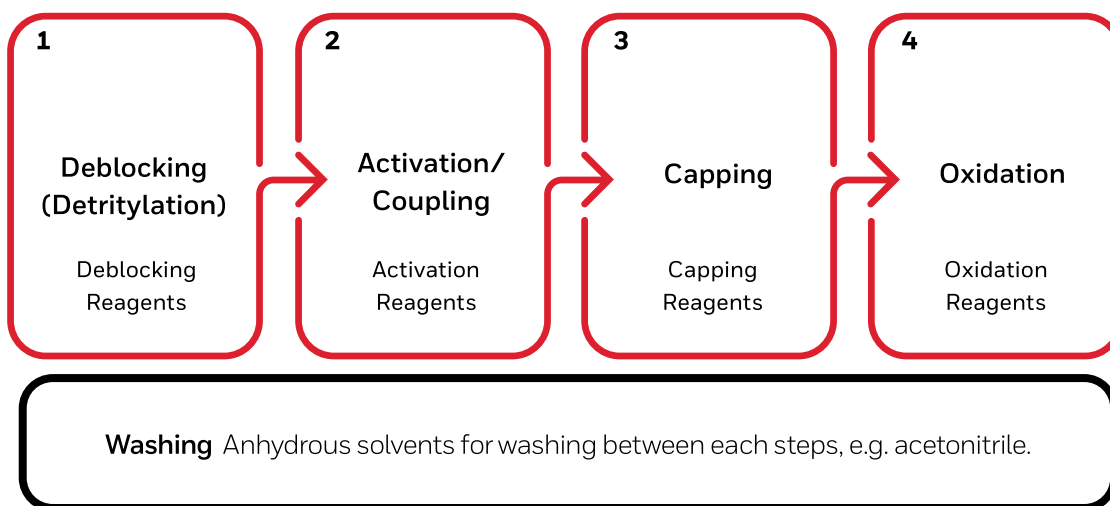
- 0.02M Iodine, 2% Water, 20% Pyridine, 78% THF (v/v/v)
- 0.05M Iodine, 10% Water, 90% Pyridine (v/v)
- 0.02M Iodine, 10% Water, 0.4% Pyridine, 89.6% THF (v/v)
- 0.02M Iodine, 10% Water, 20% Pyridine, 70% THF (v/v/v)
- 0.05M Iodine, 10% Water, 10% Pyridine, 80% Acetonitrile (v/v/v)

BURDICK & JACKSON™ BIOSYN™ SOLVENTS AND RELATED PRODUCTS

- Acetonitrile⁴
- Dichloromethane
- Pyridine
- Tetrahydrofuran
- Triethylamine
- Trifluoroacetic acid



OLIGONUCLEOTIDE SYNTHESIS



Have a unique formulation?

Contact us at <https://lab.honeywell.com/en/contact-us>

To order, please contact:



For more information

To learn more about Honeywell Research Chemicals, visit www.lab.honeywell.com or contact SeelzeRC.support@honeywell.com

Honeywell Specialty Chemicals Seelze GmbH

Wunstorfer Strasse 40
D-30926 Seelze, Germany
Tel.: +49(0)5137-999-553
Fax: +49(0)5137-999-108
www.lab.honeywell.com



Burdick & Jackson™ and BioSyn™ are registered trademarks of Honeywell International Inc.

BRO-22-56-EN | 09/22
© 2022 Honeywell International Inc.

Honeywell

Insert logo here