

BURDICK & JACKSON™ BIOSYN™ REAGENTS & SOLVENTS.

for DNA/RNA synthesis



Honeywell

DNA and RNA Solvents and Reagents

Honeywell Burdick & Jackson™ BioSyn™ solvents and reagents are specifically processed and purified to exacting specifications, ensuring outstanding synthesis efficiency. This makes them ideal for oligonucleotide synthesis regardless of the application. All solvents and reagents are filtered (0.2-micron for oxidation reagents and 0.1-micron for all other reagents) to minimize particulate contamination.

FEATURES

- Low water content solvents, well suited for moisture sensitive applications
- High purity reagents to ensure improved over-all yield of final products
- Consistent quality manufacturing standards
- Packaging designed to facilitate direct connection to popular synthesizers

PACKAGING OPTIONS

- 1L, 2L, 2.5L and 4L glass bottles in a 38mm or 45mm neck finish
- 20L stainless steel NOWPak®II containers (NPII)
- 20L HDPE NOWPak® containers (NPI)
- 56L and 200L Stainless Steel Pressure Dispense System (SSPDS)
- 800L fluoropolymer lined totes
- 1,250L bulk containers
- Tank truck

This product line includes a wide range of DNA and RNA synthesis reagents including deblocks, activators, capping reagents and oxidizers in various formulations as well as acetonitrile with extremely low water content. BioSyn products address the needs of users in pharmacogenomics, diagnostics and drug discovery technologies and are routinely used in oligo synthesis to produce quantities ranging from lab scale through production levels.

Burdick & Jackson BioSyn solvents and reagents are available in a range of package sizes from 1L glass bottles to 1,250L bulk containers. Packaging is designed to facilitate direct connection to popular synthesizers.

Honeywell continues to expand the Burdick & Jackson BioSyn line of products to accommodate novel chemistries and formulations. These development activities are supported by the capability to synthesize oligonucleotides. We invite customers to contact our technical experts to discuss custom reagent formulations that do not appear in the product listings, as well as special packaging requirements.

Have a unique formulation?
Contact us at www.lab-honeywell.com/contact-us/

DEBLOCKING REAGENTS (Detritylation)

Package Info	Catalog Number
3% Trichloroacetic acid in Dichloromethane (w/v)	
4x2L	BR605-2
4x2.5L ²	BR605-4x2.5L
20L NPII	BR605-20
4x4L	BR605-4
3% Dichloroacetic acid in Dichloromethane (v/v)	
4x4L	SR622-4
20L NPII	SR622-20
200L SSPDS	CS622-200
3% Dichloroacetic acid in Toluene (v/v)	
4x4L	SR674-4
20L NPII	SR674-20
200L SSPDS	BR674-200

ACTIVATOR REAGENTS

Package Info	Catalog Number
BMI	
0.30M 5-Benzylthio-1H-tetrazole, 0.5% NMI, 99.5% Acetonitrile¹	
2x1L ²	SR731-1
4x4L	BR731-4
20L NPII	BR731-20
200L SSPDS	BC731-200
ETT	
0.25M 5-Ethylthio-1H-tetrazole in Acetonitrile	
2x1L ²	SR721-1
4x2L	BR721-2
4x2.5L ²	BR721-4x2.5L
4x4L	BR721-4
20L NPII	BR721-20
56L SSPDS	BC721-56
200L SSPDS	BC721-200
0.50M 5-Ethylthio-1H-tetrazole in Acetonitrile	
2x1L ²	BR725-1
4x2.5L ²	BR725-2.5GL
20L NPII	BR725-20
56L SSPDS	BC725-56
200L SSPDS	BC725-200
0.60M 5-Ethylthio-1H-tetrazole in Acetonitrile	
2x1L ²	BR726-1
4x4L	BR726-4
56L SSPDS	BC726-56
200L SSPDS	BR726-200

¹ US Patent 7,339,052

² 45mm bottle neck finish

³ GE Healthcare product designation for this formulation: Capping B

⁴ Ideal for use as diluent and washing reagent

CAPPING REAGENTS

Package Info	Catalog Number
10% Acetic Anhydride, 10% 2,6-Lutidine, 80% THF (v/v/v)	
4x2L	BR640-2
4x2.5L ²	BR640-4x2.5L
4x4L	BR640-4x4L
10% Acetic Anhydride, 10% Pyridine, 80% THF (v/v/v)	
4x2L	BR641-2
4x2.5L ²	BR641-4x2.5L
4x4L	BR641-4
10% Acetic Anhydride, 90% THF (v/v)	
4x4L	SR639-4
200L SSPDS	CS639-200
20% Acetic Anhydride, 30% 2,6-Lutidine, 50% Acetonitrile (v/v/v)³	
20L NPII	SR644-20
200L SSPDS	BC644-200
16% N-Methylimidazole, 84% THF (v/v)	
4x2L	BR650-2
4x2.5L ²	BR650-4x2.5L
4x4L	BR650-4
10% N-Methylimidazole, 90% THF (v/v)	
4x2L	BR651-2
4x2.5L ²	BR651-4x2.5L
4x4L	BR651-4
10% N-Methylimidazole, 10% Pyridine, 80% THF (v/v/v)	
4x4L	SR653-4
200L SSPDS	CS653-200
20% N-Methylimidazole, 80% Acetonitrile (v/v)	
2x1L ²	BR654-1
4x2.5L ²	BR654-2.5GL
20L NPII	SR654-20
56L SSPDS	SR654-56
200L SSPDS	SR654-200



OXIDATION REAGENTS

Package Info	Catalog Number
0.02M Iodine, 2% Water, 20% Pyridine, 78% THF (v/v/v)	
4x2L	BR663-2
4x2.5L ²	BR663-4x2.5L
4x4L	BR663-4
0.05M Iodine, 10% Water, 90% Pyridine (v/v)	
4x2.5L ²	BR664-2.5GL
4x4L	BR664-4
20L NP11	SR664-20
56L SSPDS	BR664-56L
200L SSPDS	BR664-200
0.02M Iodine, 10% Water, 0.4% Pyridine, 89.6% THF (v/v/v)	
4x4L	BR665-4
0.02M Iodine, 10% Water, 20% Pyridine, 70% THF (v/v/v)	
4x2L	BR666-2
4x2.5L ²	BR666-4x2.5L
4x4L	SR666-4
20L NP11	SR666-20
56L SSPDS	BR666-56
200L SSPDS	BR666-200
0.05M Iodine, 10% Water, 10% Pyridine, 80% Acetonitrile (v/v/v)	
2x1L ²	BR761-1GL
4x4L	BR761-4
20L NP11	BN761-20
56L SSPDS	BC761-56
200L SSPDS	BC761-200

BURDICK & JACKSON BIOSYN™ SOLVENTS AND RELATED PRODUCTS

Package Info	Catalog Number
Acetonitrile⁴	
4x4L	BB017-4
20L NP11	BN017-20
56L SSPDS	BC017-56
200L SSPDS	BC017-200
1250L SSPDS	BC017-1250
Dichloromethane	
4x4L	BB301-4
20L NP11	BN301-20
56L SSPDS	BC301-56
200L SSPDS	BC301-200
Pyridine	
2.5L ²	BB333-2.5L
4x4L	BB333-4
20L NP11	BN333-20
56L SSPDS	BC333-56
200L SSPDS	BC333-200
Tetrahydrofuran	
4x4L	BB343-4
20L NP11	BN343-20
56L SSPDS	BC343-56
200L SSPDS	BC343-200
Triethylamine	
12x100mL	BB359P100
6x1L	BB359-1
Trifluoroacetic acid	
12x50mL	BB360P050
6x500mL	BB360P500

¹ US Patent 7,339,052

² 45mm bottle neck finish

³ GE Healthcare product designation for this formulation: Capping B

⁴ Ideal for use as diluent and washing reagent

**Have a unique formulation?
Contact us at www.lab-honeywell.com/contact-us/**

For more information

To learn more about Honeywell Burdick & Jackson solvents, contact your account manager or visit www.lab-honeywell.com.

Honeywell Research Chemicals

115 Tabor Road
Morris Plains, NJ 07950



Burdick & Jackson and BioSyn are registered trademarks of Honeywell International Inc. NOWPak® s a registered trademark of Entegris, Inc.

1232 B&J v2 | 09/19
© 2019 Honeywell International Inc.

**THE
FUTURE
IS
WHAT
WE
MAKE IT**

Honeywell