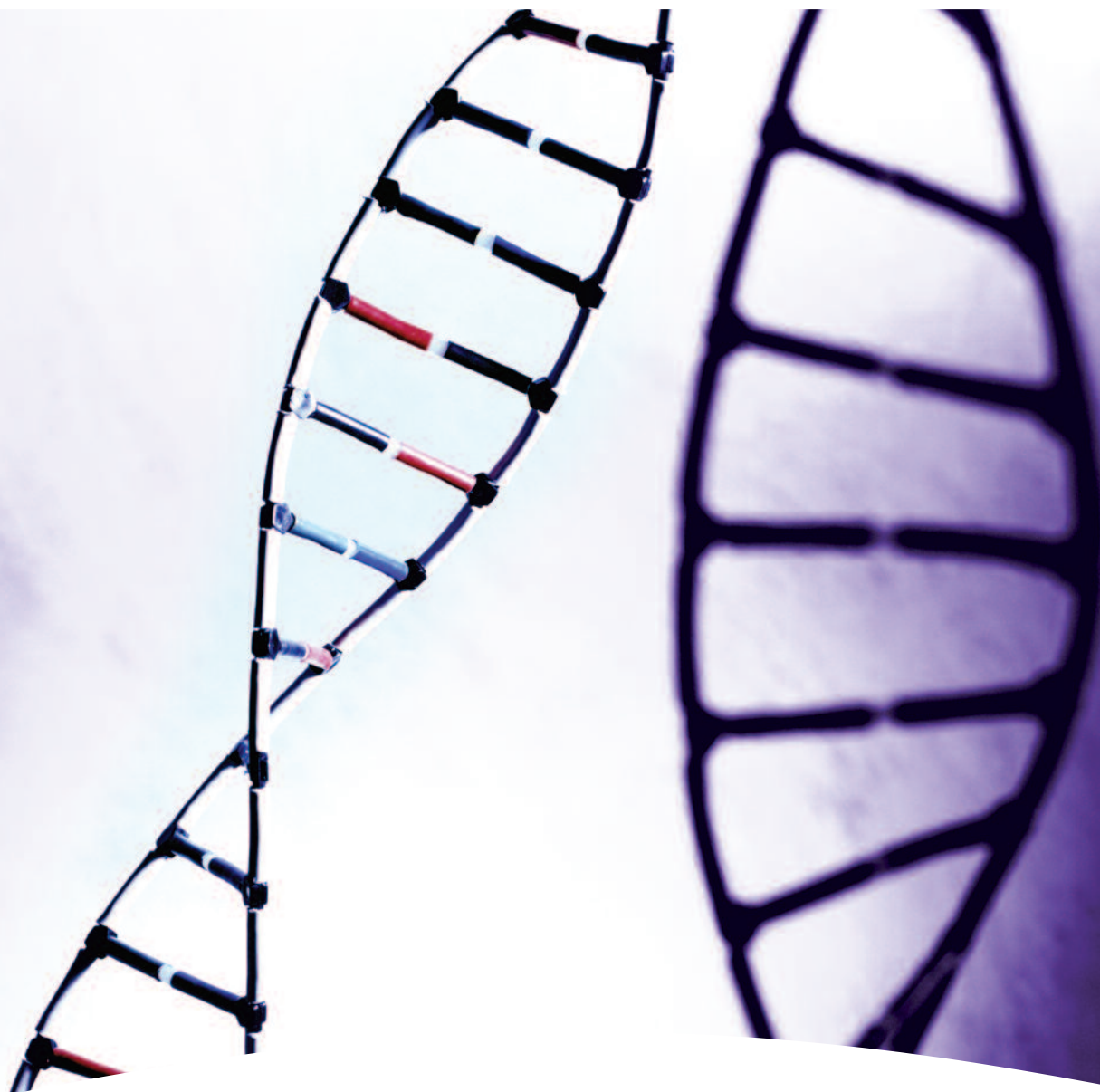


Honeywell Burdick & Jackson® BioSyn®



reagents & solvents for DNA/RNA synthesis



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Honeywell

BioSyn® 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.

The BioSyn line includes a wide range of DNA and RNA synthesis reagents including deblocks, activators, capping reagents and oxidizers all 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.

BioSyn solvents and reagents are available in a range of package sizes from 45mL glass bottles to 1,250L bulk containers. Packaging is designed to facilitate direct connection to popular synthesizers.

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



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
- 20L stainless steel NOWPak® II containers (NPII)
- 20L HDPE NOWPak® containers (NPI)
- 56L and 200L Stainless Steel Pressure Dispense System (SSPDS)
- 200L Bag In Container (BIC)
- 1,250L bulk containers
- Tank truck



Deblocking Reagents

	Package Info	Catalog Number
3% Trichloroacetic acid in Dichloromethane (w/v)		
	4x2L	BR605-2
	20L NPII	BR605-20
3% Dichloroacetic acid in Dichloromethane (v/v)		
	20L NPII	SR622-20
	200L BIC	BD622-200
3% Dichloroacetic acid in Toluene (v/v)		
	4x4L	SR674-4
	20L NPII	SR674-20
	200L BIC	BD674-200

Activator Reagents

	Package info	Catalog Number
BMI*		
0.30M 5-Benzylthio-1H-tetrazole, 0.5% NMI, 99.5% Acetonitrile		
	2x1L	SR731-1
	4x4L	BR731-4
	20L NPII	BR731-20
	56L SSPDS	BC731-56
	200L SSPDS	BC731-200




rBMI* for RNA Synthesis


0.30M 5-Benzylthio-1H-tetrazole, 0.5% NMI, 99.5% Acetonitrile		
	2x1L	BR731RN-1GL
	4x4L	BR731RN-4
	20L NPII	BN731RN-20
	56L SSPDS	BC731RN-56
	200L SSPDS	BC731RN-200



BMT

0.20M 5-Benzylthio-1H-tetrazole in Acetonitrile		
	200L SSPDS	BC730-200

ETT

0.25M 5-Ethylthio-1H-tetrazole in Acetonitrile		
	2x1L	SR721-1
	4x2L	BR721-2
	4x4L	BR721-4
	20L NPII	BR721-20
	56L SSPDS	BC721-56
	200L SSPDS	BC721-200

0.50M 5-Ethylthio-1H-tetrazole in Acetonitrile		
	2x1L	BR725-1
	20L NPII	BR725-20
	200L SSPDS	BC725-200




0.60M 5-Ethylthio-1H-tetrazole in Acetonitrile		
	2x1L	BR726-1
	4x2L	BR726-4
	56L SSPDS	BC726-56

* US Patent 7,339,052

Have a unique formulation? Contact us at crescent@creschem.com

Capping Reagents Cap A





Component containing Acetic Anhydride

	Package info	Catalog Number
10% Acetic Anhydride, 10% 2,6-Lutidine, 80% THF (v/v/v)		
	4x2L	BR640-2
	200L SSPDS	BC640-200
10% Acetic Anhydride, 10% Pyridine, 80% THF (v/v/v)		
	4x2L	BR641-2
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)**		
	20L NP11	SR644-20
	200L SSPDS	BC644-200

**GE Healthcare product designation for this formulation: Capping B

Capping Reagents Cap B

Component containing N-Methylimidazole

	Package info	Catalog Number
16% N-Methylimidazole, 84% THF (v/v)		
	4x2L	BR650-2
	200L SSPDS	BC650-200
10% N-Methylimidazole, 90% THF (v/v)		
	4x2L	BR651-2
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	BR654-1
	20L NP11	SR654-20
	56L SSPDS	SR654-56
	200L SSPDS	SR654-200







†GE Healthcare product designation for this formulation: Capping A

Neck Finish





	38-439
	GL45



Oxidation Reagents

	Package info	Catalog Number
0.02M Iodine, 2% Water, 20% Pyridine, 78% THF (v/v/v)		
	4x2L	BR663-2
0.05M Iodine, 10% Water, 90% Pyridine (v/v)		
	4x2.5L	BR664-2.5GL
	20L NP11	SR664-20
	56L SSPDS	BC664-56
	200L SSPDS	BR664-200
0.02M Iodine, 10% Water, 0.4% Pyridine, 89.6% THF (v/v/v)		
	4x4L	BR665-4
	200L SSPDS	CS665-200
0.02M Iodine, 10% Water, 20% Pyridine, 70% THF (v/v/v)		
	4x2L	BR666-2
	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	BR761-1GL
	4x4L	BR761-4
	20L NP11	BN761-20
	56L SSPDS	BC761-56
	200L SSPDS	BC761-200

BioSyn® Solvents and Related Products

	Package Info	Catalog Number
Acetonitrile‡		
	4x4L	BB017-4
	20L NP11	BN017-20
	56L SSPDS	BC017-56
	200L SSPDS	BC017-200
	1250L SSPDS	BC017-1250
Diluent		
	20x45mL	BR017-0045
Dichloromethane		
	4x4L	BB301-4
	20L NP11	BN301-20
	56L SSPDS	BC301-56
	200L SSPDS	BC301-200
Pyridine		
	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

‡Ideal for use as diluent and washing reagent

Need a different packaging configuration? Contact us at crescent@creschem.com