

Honeywell | Research Chemicals

BURDICK & JACKSON™ BIOSYN™ REAGENTS & SOLVENTS.

for DNA/RNA synthesis



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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 (NP11)
- 20L HDPE NOWPak® containers (NP1)
- 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.

DEBLOCKING REAGENTS (Detritylation)

Package Info	Honeywell Cat.No.	Fisher Scientific Cat. No.
3% Trichloroacetic acid in Dichloromethane (w/v)		
4x2L	BR605-2	60-048-412
4x2.5L ²	BR605-4x2.5L	60-090-051
20L NPII	BR605-20	60-090-205
4x4L	BR605-4	60-048-413
3% Dichloroacetic acid in Dichloromethane (v/v)		
4x4L	SR622-4	60-048-418
20L NPII	SR622-20	60-090-203
200L SSPDS	CS622-200	60-090-202
3% Dichloroacetic acid in Toluene (v/v)		
4x4L	SR674-4	60-048-416
20L NPII	SR674-20	60-090-209
200L SSPDS	BR674-200	Please inquire

ACTIVATOR REAGENTS

Package Info	Honeywell Cat.No.	Fisher Scientific Cat. No.
BMI		
0.30M 5-Benzylthio-1H-tetrazole, 0.5% NMI, 99.5% Acetonitrile¹		
2x1L ²	SR731-1	60-048-344
4x4L	BR731-4	60-048-339
20L NPII	BR731-20	60-090-021
200L SSPDS	BC731-200	60-090-023
ETT		
0.25M 5-Ethylthio-1H-tetrazole in Acetonitrile		
2x1L ²	SR721-1	60-090-103
4x2L	BR721-2	60-048-333
4x2.5L ²	BR721-4x2.5L	60-090-020
4x4L	BR721-4	60-048-334
20L NPII	BR721-20	60-090-110
56L SSPDS	BC721-56	60-090-111
200L SSPDS	BC721-200	60-090-105
0.50M 5-Ethylthio-1H-tetrazole in Acetonitrile		
2x1L ²	BR725-1	60-048-335
4x2.5L ²	BR725-2.5GL	60-048-336
20L NPII	BR725-20	60-090-112
56L SSPDS	BC725-56	60-090-032
200L SSPDS	BC725-200	60-090-030
0.60M 5-Ethylthio-1H-tetrazole in Acetonitrile		
2x1L ²	BR726-1	60-048-337
4x4L	BR726-4	60-048-338
56L SSPDS	BC726-56	60-090-033
200L SSPDS	BR726-200	Please inquire

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	Honeywell Cat.No.	Fisher Scientific Cat. No.
10% Acetic Anhydride, 10% 2,6-Lutidine, 80% THF (v/v/v)		
4x2L	BR640-2	60-048-379
4x2.5L ²	BR640-4x2.5L	60-090-068
4x4L	BR640-4x4L	60-049-030
10% Acetic Anhydride, 10% Pyridine, 80% THF (v/v/v)		
4x2L	BR641-2	60-048-381
4x2.5L ²	BR641-4x2.5L	60-090-069
4x4L	BR641-4	60-048-382
10% Acetic Anhydride, 90% THF (v/v)		
4x4L	SR639-4	60-048-394
200L SSPDS	CS639-200	60-090-161
20% Acetic Anhydride, 30% 2,6-Lutidine, 50% Acetonitrile (v/v/v)³		
20L NPII	SR644-20	60-090-165
200L SSPDS	BC644-200	60-090-041
16% N-Methylimidazole, 84% THF (v/v)		
4x2L	BR650-2	60-048-384
4x2.5L ²	BR650-4x2.5L	60-090-071
4x4L	BR650-4	60-048-385
10% N-Methylimidazole, 90% THF (v/v)		
4x2L	BR651-2	60-048-387
4x2.5L ²	BR651-4x2.5L	60-090-072
4x4L	BR651-4	60-048-388
10% N-Methylimidazole, 10% Pyridine, 80% THF (v/v/v)		
4x4L	SR653-4	60-048-395
200L SSPDS	CS653-200	60-090-164
20% N-Methylimidazole, 80% Acetonitrile (v/v)		
2x1L ²	BR654-1	60-048-389
4x2.5L ²	BR654-2.5GL	60-048-390
20L NPII	SR654-20	60-090-162
56L SSPDS	SR654-56	60-090-160
200L SSPDS	SR654-200	60-090-159



OXIDATION REAGENTS

Package Info	Honeywell Cat.No.	Fisher Scientific Cat. No.
0.02M Iodine, 2% Water, 20% Pyridine, 78% THF (v/v/v)		
4x2L	BR663-2	60-048-516
4x2.5L ²	BR663-4x2.5L	60-090-004
4x4L	BR663-4	60-048-517
0.05M Iodine, 10% Water, 90% Pyridine (v/v)		
4x2.5L ²	BR664-2.5GL	60-048-518
4x4L	BR664-4	60-048-519
20L NPII	SR664-20	60-090-429
56L SSPDS	BR664-56L	Please inquire
200L SSPDS	BR664-200	60-090-430
0.02M Iodine, 10% Water, 0.4% Pyridine, 89.6% THF (v/v/v)		
4x4L	BR665-4	60-048-520
0.02M Iodine, 10% Water, 20% Pyridine, 70% THF (v/v/v)		
4x2L	BR666-2	60-090-428
4x2.5L ²	BR666-4x2.5L	60-090-001
4x4L	SR666-4	60-048-524
20L NPII	SR666-20	60-090-427
56L SSPDS	BR666-56	60-090-432
200L SSPDS	BR666-200	60-090-431
0.05M Iodine, 10% Water, 10% Pyridine, 80% Acetonitrile (v/v/v)		
2x1L ²	BR761-1GL	60-048-522
4x4L	BR761-4	60-048-523
20L NPII	BN761-20	60-090-007
56L SSPDS	BC761-56	60-090-008
200L SSPDS	BC761-200	60-090-006

BURDICK & JACKSON BIOSYN™ SOLVENTS AND RELATED PRODUCTS

Package Info	Honeywell Cat.No.	Fisher Scientific Cat. No.
Acetonitrile⁴		
4x4L	BB017-4	60-048-327
20L NPII	BN017-20	60-090-092
56L SSPDS	BC017-56	60-090-093
200L SSPDS	BC017-200	60-090-091
1250L SSPDS	BC017-1250	60-090-090
Dichloromethane		
4x4L	BB301-4	60-048-423
20L NPII	BN301-20	Please inquire
56L SSPDS	BC301-56	Please inquire
200L SSPDS	BC301-200	60-090-219
Pyridine		
2.5L ²	BB333-2.5L	60-090-481
4x4L	BB333-4	60-048-571
20L NPII	BN333-20	Please inquire
56L SSPDS	BC333-56	Please inquire
200L SSPDS	BC333-200	60-090-480
Tetrahydrofuran		
4x4L	BB343-4	60-048-595
20L NPII	BN343-20	60-090-568
56L SSPDS	BC343-56	Please inquire
200L SSPDS	BC343-200	Please inquire
Triethylamine		
12x100mL	BB359P100	60-048-599
6x1L	BB359-1	60-048-598
Trifluoroacetic acid		
12x50mL	BB360P050	60-048-602
6x500mL	BB360P500	60-048-603

¹US Patent 7,339,052

²45mm bottle neck finish

³GE Healthcare product designation for this formulation: Capping B

⁴Ideal for use as diluent and washing reagent

Have a unique formulation? Need a different pack size? Contact us

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