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performance through innovation

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ROMIL
PURE CHEMISTRY

Plot No 39 1st Floor Lavanya Aracade Jayabheri Enclave
Gachibowli Hyderabad-500032.Telangana
Mob : +91 99082 46685 Tel : 040 - 35172288/89

info@rikiglobal.com www.rikiglobal.com +91-9908246695 +91-40-35172288/89

ROMIL-BiO™ BioPure Solvents Specifications

for molecular biology

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Deblock reagent (see Detritylation reagent 3%)

Detritylation reagent 3% BiO

dca/dichloromethane *D1682*

1LT D1682M
2½LT D1682L
Wng H:315-319-351-402
P:273-281-302+352-305+351+338-308+313

(Deblock reagent 3%)
Contains:
Dichloroacetic Acid 30 g/LT
Solvent: Dichloromethane
Application: Oligonucleotide Synthesis

Dichloromethane BiO

stabilised with amylene *H203*

1LT H203M
2½LT H203L
4LT H203KZ
Wng H:351
P:281-308+313

(Methylene Dichloride)
CH2Cl2MW84.93BP 39.6°C d 1.33 CAS [75-09-2] Assay >99.9%* Water <0.002% Residue <0.0001% *ex stabiliser Stabiliser: Amylene ca. 25 ppm Application: Molecular Biology

Dimethylformamide BiO *H251*

2½LT H251L
4LT H251KZ
Dgr H:360D-226-312+332-319
P:201-210-302+352-305+351+338-308+313

HCON(CH3)2 MW73.09BP153.0°Cd0.95 CAS [68-12-2] Assay >99.9% Water <0.03% Amines as CH3NH2 <0.001% (<10 ppm) Application: Molecular Biology

Dimethylformamide BiO

with molecular sieve *H254*

2½LT H254L
4LT H254KZ
Dgr H:360D-226-312+332-319
P:201-210-302+352-305+351+338-308+313

HCON(CH3)2 MW 73.09 BP 153.0°C d 0.95 CAS [68-12-2] Assay >99.9% Water <0.003% Application: Molecular Biology

Di-iso-propylethylamine BiO *H240*

100ml H240S
500ml H240P
Dgr H:225-301-314-412
P:210-233-240-273-280-301+330+331-305+351+338-309+310-403+235

(Ethyldi-iso-propylamine)
C8H19NMW 129.25 BP 127°C d 0.76 CAS [7087-68-5] Assay >99.5% Water <0.05% Residue <0.0001% Application: Molecular Biology

Ethyldi-iso-propylamine (see Di-iso-propylethylamine)
5-Ethylthiotetrazole solution (see Activator reagent ETT)

Methyl Cyanide (see Acetonitrile)

Methylene Dichloride (see Dichloromethane)

3-Methylbutan-1-ol BiO *H440*

100ml H440S
500ml H440P
Wng H:226-332-335-EUH066
P:210-304+340

(iso-Amyl Alcohol, iso-Pentyl Alcohol)
(CH3)2CHCH2CH2OH MW88.15BP 131.1°C d 0.81 CAS [123-51-3] Assay >99.8% Water <0.005% Residue <0.0001% Comprises single isomer Application: Molecular Biology

N-Methyl-2-pyrrolidone BiO *H567*

2½LT H567L
4LT H567KZ
Dgr H:360D-315-319-335
P:201-302+352-305+351+338-308+313

CH2(CH2)2CONCH3 MW99.13BP202.0°Cd1.03 CAS [872-50-4] Assay >99.5% Water <0.01% Application: Molecular Biology

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Oxidiser reagent BiO

iodine 0.02M in water/pyridine/thf *D532*

1LT D532M
2½LT D532L
Dgr H:225-319-335-351-EUH019
P:210-240-305+351+338-308+313-403+233

Contains: Iodine 0.02M Water Pyridine Tetrahydrofuran Application: Oligonucleotide Synthesis

iso-Pentyl Alcohol (see 3-Methylbutan-1-ol)

Piperidine BiO

H613

100ml H613S
500ml H613P
Dgr H:225-300-311+331-314
P:210-280-301+330+331-302+352-304+340-305+351+338-309+310-403+235

C5H11NMW 85.15 FP -11.0°C BP 106.2°C d 0.86 CAS [110-89-4] Assay >99.5% Water <0.05% Residue <0.0001% Application: Molecular Biology

Piperidine 20% BiO

dmf solution *D501*

500ml D501P
1LT D501M
2½LT D501L
Dgr H:226-311+331-314-360D
P:201-210-302+352-305+351+338-308+313

Contains: Piperidine 20% v/v Dimethylformamide 80% v/v Application: DNA/RNA Synthesis

Pyridine BiO

H649

500ml H649P
2½LT H649L
Dgr H:225-302+312+332-315-319
P:210-302+352-304+340-305+351+338-403+235

C5H5N MW 79.10BP 115.3°C d 0.98 CAS [110-86-1] Assay >99.8% Water <0.01% Residue <0.0002% Application: Molecular Biology

Pyridine BiO

with molecular sieve *H651*

2½LT H651L
Dgr H:225-302+312+332-315-319
P:210-302+352-304+340-305+351+338-403+235

C5H5N MW 79.10 BP 115.3°C CAS [110-86-1] Assay >99.8% Water <0.005% Application: Molecular Biology