

ROMMA
PURE CHEMISTRY



ROMIL-BiO™ BioPure Solvents Specifications

for molecular biology

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

(Ethyl-di-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



Ethyl-di-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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1LT D552M 2½LT D532L Dgr H:225-319-335-351-EUH019 P:210-240-305+351+338-308+313-403+233	<h3>Oxidiser reagent BiO</h3> <h4>iodine 0.02M in water/pyridine/thf D532</h4> <hr/> Contains: ☐ Iodine 0.02M Water Pyridine Tetrahydrofuran Application: Oligonucleotide Synthesis
	<p>iso-Pentyl Alcohol (see 3-Methylbutan-1-ol)</p>
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	<h3>Piperidine BiO</h3> <h4>H613</h4> <hr/> 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
	<h3>Piperidine 20% BiO</h3> <h4>dmf solution D501</h4> <hr/> Contains: Piperidine 20% v/v Dimethylformamide 80% v/v Application: DNA/RNA Synthesis
500ml D501P 1LT D501M 2½LT D501L Dgr H:226-311+331-314-360D P:201-210-302+352-305+351+338-308+313	<h3>Pyridine BiO</h3> <h4>H649</h4> <hr/> 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
	<h3>Pyridine BiO</h3> <h4>H651</h4> <hr/> C5H5N MW 79.10 BP 115.3°C CAS [110-86-1] Assay >99.8% Water <0.005% Application: Molecular Biology
2½LT H649P 2½LT H649L Dgr H:225-302+312+332-315-319 P:210-302+352-304+340-305+351+338-403+235	<h3>Pyridine BiO</h3> <h4>with molecular sieve H651</h4> <hr/> C5H5N MW 79.10 BP 115.3°C CAS [110-86-1] Assay >99.8% Water <0.005% Application: Molecular Biology
