

**Molecular sieves, grade 514 Type 4A, 8-12 mesh,
(Aluminium sodium silicate)**



Used for dehydration of liquids.

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Fisher BioReagents®

Effective pore size: 4Å
Base: Alumina-Silicate
Cation: Sodium

Catalogue No BPE2631-500	Quantity 500g
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Product specification
Mesh size

To pass test

**MOPS fine white powder
CAS 1132-61-2**

First aid	Std.	EINECS	214-478-5
Spillage	F		
Disposal	1, 9, 19		

**MOPS white fine powder, (3-(4-Morpholino)propane
sulfonic acid), Molecular Biology grade**



This biological buffer has a usable pH range of 6.5 to 7.9.

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Catalogue No BPE308-100 BPE308-500	Quantity 100g 500g
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$\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_2\text{N}(\text{CH}_2)_3\text{SO}_3\text{H}; \text{C}_7\text{H}_{15}\text{NO}_4\text{S}$

M.W. 209.26

Product specification

Assay
IR
pKa at 25°C
DNase
RNase
Protease

≥97%
Conforms to standard
7.2 ±0.2
Not detected
Not detected
Not detected

Msp

First aid	Std.
Fire	W, P, C, F
Spillage	C, G, H
Storage	-20°C

Msp I source: *Moraxella* species



Digestion of dsDNA



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Msp I restriction endonuclease digests dsDNA with sequence indicated below.
C'CG G
G GC'C

Catalogue No BPE3384-1	Quantity 2,000 units
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Concentration: 10units/μL
Isoschizomers: *Hpa* II, *Hap* II, *Bs*IS I
Heat inactivated: +
Exhibits different methylation sensitivity
Storage buffer: 10mM Tris-HCl (pH7.4), 50mM NaCl, 0.1mM EDTA, 1mM DTT, 0.5mg/mL BSA and 50% glycerol

**MUG
CAS 6160-80-1**

First aid	Std.	EINECS	228-186-0
Spillage	K, H		
Disposal	9, 19		

**MUG, >98% (4-Methylumbelliferyl-β-D-glucuronide
trihydrate)**



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Fluorescent substrate for β-D-glucuronidase (GUS) encoded by the *gusA* gene isolated from *E. coli*.
Fluorescence assay allows quantitation of GUS activity in protein extracts at peak excitation of 365nm (UV) and a peak emission of 455nm (blue).

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Catalogue No BPE4003-1 BPE4003-100	Quantity 100mg 1g
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$\text{C}_{16}\text{H}_{16}\text{O}_9\cdot 3\text{H}_2\text{O}$

M.W. 406.35

Product specification

Purity	>99%
4-methylumbelliferone	<25ppm
Water	12.3-14.3%

Safety Data Sheets contain the hazard symbol and hazard/precautionary statements according to regulation (EC) No 1272/2008, available on Fisher Scientific Website.