

How to contact us

web www.geolabs.co.uk
 email admin@geolabs.co.uk

Head Office

tel +44 (0)1923 892 190
 fax +44 (0)1923 892 191

Geolabs Limited
 Bucknalls Lane
 Garston
 Watford
 Hertfordshire
 WD25 9XX

(for **sat nav**, use **WD25 9NH** to
 get directions to BRE main gate)

Birmingham Office

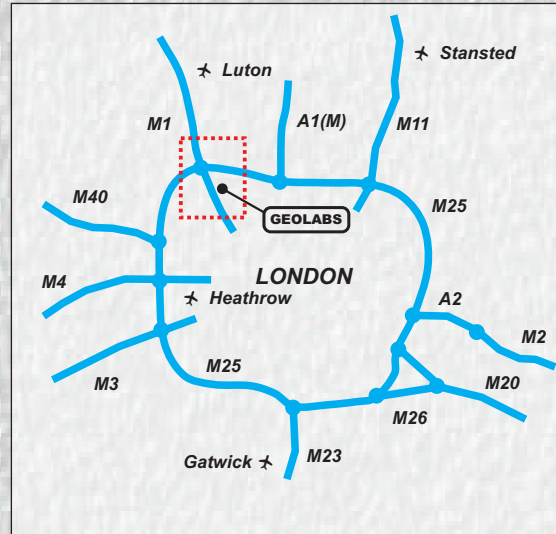
tel 0121 296 4600
 fax 0121 296 4599

Geolabs Limited
 Unit D3, HRS Business Park
 Granby Avenue
 Birmingham
 B33 0SJ



Where to find our Head Office

(for Birmingham Office, please click 'Contact' on web site)



Quick Reference Price List 2017



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Material Requirements

Water Content	Up to 2mm	100g
	Up to 10mm	500g
	Up to 31.5mm	3kg
	Up to 63mm	21kg
SMC (Saturation MC)	Intact chalk lump >100mm	
Liquid & Plastic Limits	Sufficient for 300g passing 0.425mm sieve	
	Bulk & Dry Densities: Ideally > 1kg of intact material (not suitable for loose granular)	
Particle Density:	Pyknometer 50g	
	Gas Jar - fine grained 400g	
	Gas Jar - coarse grained 800g	

Particle Size Distribution (PSD)		
For samples up to the following sizes use the corresponding sample mass (to BS EN ISO 17892-4):		
63mm - 40 kg	37.5mm - 14 kg	20mm - 2 kg
10mm - 500 g	6.3mm - 300 g	2mm - 100 g

Compaction	
If affected by crushing	15kg if less than 5% >20mm 40kg if more than 5% >20mm
Not affected by crushing	6kg if less than 5% >20mm 15kg if more than 5% >20mm

Sand:	Max Density 6kg, Min Density 2 kg
Gravelly Soil:	Max Density 16kg, Min Density 10kg
MCV single point	4kg
MCV Calibration	4 kg (15kg if crushable)
CBR	6kg for remould, or full mould

Oedometer and Rowe (Hydraulic) Cell	Undisturbed 1/2 diameter long (usually 76mm diameter)
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Triaxial Strength Tests (per specimen, x3 for set)	
Undisturbed to give 2:1 Height:Dia (38,70,100mm dia)	
Remould	38mm: 200g of <6mm 100mm: 4kg of <20mm

Permeability Tests	
CH in Triaxial Cell	100mm dia 1:1 H:D, or 2kg <8mm
CH in Permeameter	2kg <6.3mm or 6kg <10mm
Horizontal Permeameter	200kg <37.5mm

Shearbox (per specimen, x3 for set)	
Small	to give 60x60x20mm prepared, or 200g <2mm
Large	to give 300x300x150mm prepared, or 30kg <20mm
Ringshear	200g <2mm



Classification

Moisture Content	£ 5.25
Saturation Moisture Content	£ 21.00
Plasticity Index (excl. NMC, 4 point)	£ 28.50
Plasticity Index (excl. NMC, 1 point)	£ 23.50
Linear Shrinkage	£ 19.50
Bulk & Dry Density (direct)	£ 12.50
Bulk & Dry Density (immersion)	£ 20.50
Particle Density (pycnometer)	£ 26.80
Dry Sieve	£ 25.00
Wet Sieve	£ 30.00
+ EO MA by Pipette	+ £ 28.50
+ EO MA by Hydrometer	+ £ 42.00
Desiccation (filter paper suction)	£ 38.00
+ EO remould	+ £ 8.30

Compaction

2.5 kg in Proctor	£ 78.00
2.5 kg in CBR	£ 88.00
4.5 kg in Proctor	£ 88.00
4.5 kg in CBR	£ 97.00
Vibro Compaction	£ 98.00
Maximum Density	£ 36.50
Minimum Density	£ 21.00
MCV (1 point at NMC)	£ 36.00
MCV Calibration (5 points)	£ 88.00
CBR	£ 41.50
+ EO remould	+ £ 26.00
+ EO soaking (up to 5 days)	+ £ 26.00
Chalk Crushing Value (6 points)	£ 89.00
Chalk Crushing Value (1 point)	£ 36.00

Miscellaneous

Specimen Photography (per image)	£ 12.00 / ea
Thermal Conductivity (undisturbed)	£ 80.00
Custom reporting (incl electronic data) from	£25.00 / hr

Quick Undrained Triaxial

UCS (on soil)	£ 21.00
Quick Undrained (single stage)	£ 27.00
Quick Undrained (multi stage)	£ 29.00
Remoulding charges – dependent upon specimen size	
Quick Undrained (38mm set of 3)	£ 46.50
+ EO remould (per set of 3 x 38mm)	£ 18.00

Effective Stress (all prices per specimen)

[Note: Consolidated Drained/Undrained and single/multi stage are all the same price]

Isotropically Consolidated	£ 155.00
(up to 4 days, minimum 1 day/stage)	
+ EO extra days	+ £ 26.00 / day
Remoulding charges – dependent upon specimen size	
Mid-height PWP, Stress Path, Local Strain, Piezo Bender, CRS etc.	please call

Permeability and Durability

Constant Head Permeability in Triaxial Cell	
[for low permeability] (up to 4 days)	£ 99.00
+ EO extra days	+ £ 26.00 / day
Remoulding charges – dependent upon specimen size	

Constant Head Permeability in Permeameter	
[for high permeability] (up to 4 days)	£ 140.50
(includes remoulding)	

Horizontal Permeability (HA41/90)	£ 300.00
[for high permeability]	

Hydraulic (Rowe) Cell Permeability (up to 4 days)	
[permeability determination only, does not include Mv or Cv determination - please see Consolidation section if required]	
up to 100mm diameter	£ 220.00
up to 250mm diameter	£ 270.00
+ EO extra days	£ 30.00 / day
Remoulding charges – dependent upon specimen size	

Pinhole (includes remoulding)	£ 94.00
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Consolidation

Oedometer Consolidation	
(up to 5 days, minimum 1 day/stage)	£ 78.50
+ EO swelling pressure	+ £ 21.00
+ EO extra days	+ £ 15.50 / day

Oedometer Swelling Test	
(up to 5 days, minimum 1 day/stage)	£ 88.00
+ EO extra days	+ £ 15.50 / day

Isotropic in Triaxial Cell (up to 4 days)	£ 185.00
+ EO extra days	+ £ 26.00 / day

Hydraulic (Rowe) Cell Consolidation (up to 4 days)	
[provides Mv and Cv determination - permeability stages can be added as required and charged for just by the extra days incurred]	
up to 100mm diameter	£ 270.00
up to 250mm diameter	£ 310.00
+ EO extra days	£ 30.00 / day
Remoulding charges – dependent upon specimen size	

Constant Rate of Strain (CRS)	please call
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Shearbox (all prices per specimen)

60mm Small Shearbox (up to 1 day)	£ 42.00
+ EO extra days	+ £ 23.50 / day
+ EO sample preparation, if required	+ £ 8.00 / spec
(includes screening, mixing to MC, etc.)	

300mm Large (up to 1 day)	£ 100.00
+ EO remould at NMC	+ £ 40.00
+ EO remould to specified MC	+ £ 50.00
+ EO extra days	+ £ 60.00 / day

Ring Shear (up to 4 days, incl. prep.)	£ 165.00
+ EO extra days	+ £ 23.00 / day
(usually 2 extra days required for 3 pressures)	

Rock Testing

UCS	£55.00
(including end preparation but not recoring)	
+ EO Young's Modulus (up to 3 cycles)	£ 73.00
+ EO YM & Poisson's Ratio	£119.00
+ EO Recore (per specimen)	£20.00
Slake Durability (2 cycles)	£ 55.00
Mohr's Hardness (Scales 3 to 9)	£ 42.50
Point Load Test (per determination)	£ 7.00
Point Load Test (set of 10)	£ 32.00
Tensile Strength by Brazilian	£ 65.00
Sound Velocity (P & S waves)	£ 45.00
Sound Velocity (P wave only)	£ 38.00
Rock Triaxial (w/out PWP, 1 stage)	£ 181.00
+ EO additional confining pressures	+ £ 31.00 / ea
+ EO recoring to 38, 54 or 76mm	+ £ 20.00
Direct Shear of Rock Discontinuity	£ 220.00
in modified 300mm Shearbox (1 specimen up to 1 day)	
[includes trimming, encapsulation and single shear run]	
+ EO extra specimens [of same sample]	+ £ 100.00 / ea
+ EO extra rapid residual stage	+ £ 20.00 / ea
+ EO extra days [includes slow residual]	+ £ 80.00 / day
+ EO Recore from block sample	+ £ 20.00 / ea

Chemical Testing

pH	£ 4.15
Sulphate - Total	£ 9.30
Sulphate - Water Soluble	£ 9.30
Sulphate - Groundwater	£ 8.30
Organic Content	£ 9.90
Loss on Ignition	£ 7.80
Carbonate	£ 13.50
Total Sulphur	£ 9.90
BRE SD1 Suites A to D	Please call
Resistivity	£ 73.00
+ EO remoulding	£ 15.50