

## Service price list

### Sample collection

**BGS core store sample collection** – Rocktype sample collection at the British Geological Survey Core Store. Includes day rate for one person, travel expense to BGS Keyworth, core store hire and return of samples and public data to BGS. **£1200**

**BGS per sample charge** – BGS standard rate for sample collection of £10, rebilled at cost. **£10**

### Sample preparation (£/sample)

**Polished resin puck preparation** – Bulk sample photography, resin puck preparation, surface polishing and carbon coating. Includes cutting of bulk rock; washing, drying and sieving of cuttings as needed. **£40**

**Cuttings handpicking** – Manual selection of cuttings of specified lithotypes before resin puck preparation. **£40**

**Heavy mineral separation** – Concentration of heavy mineral grains for QEMSCAN analysis. Includes rock crushing and LST (heavy liquid) separation. **£40**

**Single grain picking** – Manual selection and mounting on double sided tape of 200 grains, such as zircon, garnet or rutile. **£100**

### QEMSCAN sample analysis (£/sample)

**QEMSCAN 50** – A 50 µm resolution scan of a 10x10mm area, providing modal mineralogy, porosity for rock (not cuttings) and low resolution QEMSCAN images. **£100**  
Minimum project size of 20 samples.

**QEMSCAN 10** – A 10 µm resolution scan of a 10x10mm area, providing QEMSCAN images, modal mineralogy, porosity for rock (or cuttings with surcharge), average grain size and average pore size (if porosity is calculated). Minimum project size of 6 samples. **£250**

**QEMSCAN 4** – A 4 µm resolution scan of a 4x4mm area, ideal for high quality textural data. Includes QEMSCAN images, modal mineralogy, porosity for rock (or cuttings, with surcharge), average grain size and average pore size (if porosity is calculated). Minimum project size of 6 samples. **£250**

Custom scan areas and resolutions are available at additional charge.

# Rocktype

## Additional QEMSCAN data analysis (£/sample)

Available for 10 µm and 4 µm scans

<b>Coal quantification</b> – Manual editing of low BSE phases (coal, organic material) that occur as large particles (not nanometer organic matter quantification).	<b>£20</b>
<b>Cuttings lithotyping</b> – Determination of up to 5 lithotypes per sample and reporting of agreed rock properties per lithotype.	<b>£20</b>
<b>Cutting-by-cutting reporting</b> – Quantification of agreed rock properties per individual cutting in a sample.	<b>£20</b>
<b>Cuttings porosity</b> – Porosity of cuttings reported by sample, depth, lithotype or individual cuttings.	<b>£40</b>
<b>Pore/grain size distribution</b> – Size histograms and data for pores and mineral phases of interest per sample or lithotype.	<b>£20</b>
<b>Heavy mineral grain count reporting</b> – Additional reporting of heavy mineral data in grain count rather than area percent format. May include digital grain size sieving.	<b>£20</b>
<b>Pore lining phases/mineral association</b> – Quantification of pore lining phases (relative abundance of a mineral phase in pore space) and association of key mineral phases (e.g. feldspar-clay associations). Available for QEMSCAN High Resolution (4 µm) datasets only.	<b>£20</b>

## QEMSCAN data delivery (£/day)

<b>QEMSCAN data report</b> – QEMSCAN images and Excel data tables as defined by the chosen QEMSCAN analysis products. Includes PowerPoint report with standard project overview and methodology sections.	<b>Included</b>
<b>Project management</b> – Time required to plan, manage and quality control QEMSCAN steps and communicate progress to client.	<b>£1000</b>
<b>Results presentation meeting</b> – Client meeting to talk through QEMSCAN data (images and tabular datasets) and answer questions.	<b>£1000</b>

A range of bespoke consulting services are also available at a day rate of £1000, including custom mineral list development to meet project specific needs and further image generation or data analysis beyond Rocktype's standard offering.