

**Indication of Collection Quantity (Based on IODP Guidelines)**

<b>Specimen Usage</b>	<b>Collection Quantity</b>
Flake	10-50 cm <sup>3</sup>
Alkenone	5 cm <sup>3</sup>
XRD	5 cm <sup>3</sup>
XRF	20 cm <sup>3</sup> (sediment), 20-50 cm <sup>3</sup> (igneous rock etc., depending on granularity/homogeneity)
Carbonate	2 cm <sup>3</sup>
Paleomagnetism	7 cm <sup>3</sup> cube, 12 cm <sup>3</sup> mini core
Moisture content/density	10-20 cm <sup>3</sup>
Granularity	10-20 cm <sup>3</sup>
Planktonic foraminifera	10 cm <sup>3</sup>
Benthic foraminifera	10-20 cm <sup>3</sup>
Nano fossil	2 cm <sup>3</sup>
Diatom	5-10 cm <sup>3</sup>
Radiolarian	10 cm <sup>3</sup>
Pollen	10-15 cm <sup>3</sup>
Organic matter specimen	20 cm <sup>3</sup>
Interstitial water	hole core 5-20 cm length (depending on moisture content)
Inorganic earth science	10 cm <sup>3</sup>
Organic earth science	10 cm <sup>3</sup>
Sedimentology	10-20 cm <sup>3</sup>
Slab specimen (Lamina analysis)	25-50 cm <sup>3</sup>
Slab specimen (coarse-grained plutonic rock)	50-100 cm <sup>3</sup>
Oxygen/carbon stable isotope	10-20 cm <sup>3</sup>