



# Actlabs Greenland



Prices listed are in US dollars. All the following sample preparation and analyses will be performed in Nuuk. For other services please refer to Actlabs International Fee schedule or visit [www.actlabs.com](http://www.actlabs.com) for details. Cost of shipping pulps from Greenland to Canada will be additional at cost.

## Sample Packaging

<b>Sample packaging for shipping</b>	per sample	\$2.00
<b>Sample packaging for storage</b>	per cardboard box + labelling	\$5.00

## Sample Preparation

### Rock, Core and Drill Cuttings

<b>Code RX1</b>	crush (< 5 kg) up to 75% passing 2 mm, split (250 g) and pulverize (hardened steel) to 95% passing 105 $\mu$	\$10.50
<b>Code RX1+500</b>	500 grams pulverized	add \$2.25
<b>Code RX1+800</b>	800 grams pulverized	add \$4.00
<b>Code RX1+1.3</b>	1.3 kg pulverized	add \$5.50
<b>Code RX8</b>	sample prep only surcharge, no analyses	\$4.00

### Soils, Stream and Lake Bottom Sediments

<b>Code S1</b>	drying (60°C) and sieving (-80 mesh) save all portions	\$4.00
<b>Code S1 DIS</b>	drying (60°C) and sieving (-80 mesh), discard oversize	\$3.50
<b>Code S1-230</b>	drying (60°C) and sieving (-230 mesh), save oversize	\$5.25
<b>Code S1-230 DIS</b>	drying (60°C) and sieving (-230 mesh), discard oversize	\$5.00

## Precious Metal Geochemistry

### Gold and Silver Analyses

Code	Method	Sample Weight	Metric Range	Price
<b>1A4</b>	Au Fire Assay-Metallic Screen (Assay)	500 g	0.03-1,000 g/mT	\$90.75
<b>1A4-1000</b>	Au Fire Assay-Metallic Screen (Assay)	1,000 g	0.03-1,000 g/mT	\$121.00

*Note:* A representative 500 gram or 1000 gram sample split is sieved at 100 mesh (150 micron), with assays performed on the entire +100 mesh fraction and two splits of the -100 mesh fraction. It is important not to overpulverize the sample too finely, as tests have shown gold will plate out on the mill and be lost. When assays have been completed on the coarse and fine portions of the bulk sample, a final assay is calculated based on the weight of each fraction. Price includes sample screening but not crushing and pulverizing.

### Gold, Platinum and Palladium - all ppb, except where noted

Code	Method	Sample Weight	Range			Price
			Au	Pt	Pd	
<b>1C-OES</b>	Fire Assay-ICP/OES	30 g	2-30,000	5-30,000	5-30,000	\$18.75

## Base Metal Assays

**Code 8** - Assay package for base metals, aqua regia digestion  
 Copper - Cu  
 Lead - Pb  
 Zinc - Zn  
 Cobalt - Co  
 Nickel - Ni  
 Silver - Ag

Price  
 One element: \$12.25  
 Each additional: \$4.00

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## Trace Element Geochemistry

Code	1E	1E1	1E2	1E3
Ag	0.2	0.2	0.2	0.2
Al		*0.01%	*0.01%	*0.01%
As		*10	*3	*2
B			*5	*10
Ba		*1	*1	*10
Be		*1	*1	*0.5
Bi		10	2	2
Ca		*0.01%	*0.01%	*0.01%
Cd		0.5	0.5	0.5
Co		*1	*1	*1
Cr		*2	*2	*1
Cu	1	1	1	1
Fe		*0.01%	*0.01%	*0.01%
Ga				*10
Hg				1
K		*0.01%	*0.01%	*0.01%
La			*1	*10
Mg		*0.01%	*0.01%	*0.01%
Mn	*2	*2	*1	*5
Mo	*2	*2	*2	*1
Na		*0.01%	*0.001%	*0.001%
Ni	*1	*1	*1	*1
P		*0.001%	*0.001%	*0.001%
Pb	2	2	2	2
S	+0.01%	+0.01%	+0.01%	+0.01%
Sb		*10	*5	*2
Sc		*1	*0.1	*1
Sn			*10	*5
Sr		*1	*1	*1
Te			*1	*1
Tl			*2	*2
Ti		*0.01%	*0.01%	*0.01%
U				10
V		*1	*1	*1
W		*10	*1	*10
Y		*1	*1	*1
Zn	*1	*1	*1	*2
Zr		*1	*1	*1
Price	\$11.50	\$12.00	\$13.25	\$13.25

\* Partial extraction only

+ only sulphide sulphur is extracted

**Code 1E** - This package determines a base metal suite and sulphide sulphur by an aqua regia extraction with an ICP/OES finish. If accuracy better than +/- 10-15% is required for higher level samples we recommend assays (Code 8) (+/- 3%) for Cu, Zn and Ni over 10,000 ppm and certainly over 50,000 ppm. Assays are also recommended for Pb >5000 ppm and Ag >100 ppm due to potential solubility problems. Values exceeding these limits are estimates and are provided for information only. (0.5 g of sample required). *Prices:* first element \$5.50; each additional element \$2.25.

**Code 1E1** - This analytical package uses the same digestion as Code 1E. The same comments apply as in Code 1E for base metals. In addition, a variety of other elements are obtained non-quantitatively since chromite, barite, silicates, magnetite, sphene and some other mineral phases are not soluble with this digestion. Zinc in gahnite or sphene will not be soluble in aqua regia and all Ni in silicate phases may not be totally leachable. (0.5 g of sample required).

**Code 1E2, 1E3** - These are similar to Code 1E1, but offer an enhanced list of analytes. (0.5 g of sample is required).

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