

# PAL1000 CYANIDE LEACH GOLD ASSAY

**CRS**  
Laboratories



CRS Laboratories offers gold assays for geological samples with PAL1000. The method is capable of analyzing very large samples up to 1 kg which improves the representativeness of the assay results and minimizes the gold nugget effect.

The PAL1000 machine contains steel pots in which the samples are completely pulverized (typically  $> 90\% < 75\mu\text{m}$  grain size) with steel balls and simultaneously leached with cyanide (using Assay Tabs). The solution is analyzed for gold by AAS. For lower detection limit solvent extraction is used in addition. The quality control of the analysis process is monitored with certified reference materials, blank samples and duplicate assays for every leach batch.

- **Representative** - up to 1 kg sample size to minimize nugget effect
- **Fast** - even 2-3 days turnaround time for rush orders and 1-3 weeks for regular orders
- **Low detection limits** – 0,005 mg/kg with optional solvent extraction
- **Economical** - Typically lower total cost than in fire assay

**CRS Laboratories Oy**

Takatie 6  
90440 Kempele

**Ville Anttila**

Toimitusjohtaja

[ville.anttila@crs.fi](mailto:ville.anttila@crs.fi)

+358 40 778 4831

[www.crs.fi](http://www.crs.fi)