

**AGAT** Laboratories 

# Archived Core Analysis





# Who We Are

AGAT Laboratories is a highly specialized, Canadian-based company that provides laboratory services worldwide. With over 40 years of experience, locations coast to coast and 1,200 employees Canada-wide, AGAT Laboratories is the most geographically and technically diversified commercial testing laboratory in Canada. Committed to local communities, AGAT Laboratories aims to maintain our mission statement to deliver “Service Beyond Analysis”.

Our laboratory operations offer full-service solutions for a wide range of industries, including Mining, Environmental, Energy, Industrial, Transportation, Agriculture and Food, Forensic Science, and the Life Sciences sectors.

AGAT Laboratories’ network of laboratory facilities and depots provides extensive geographic coverage in Canada.

We are proud to set high standards in the laboratory industry with our mandate to provide timely, accurate and defensible solutions for our clients’ analytical needs with services ranging from basic testing to extremely complex technical projects.

When you choose AGAT Laboratories, you will experience “Service Beyond Analysis”. We provide quality data and unsurpassed service through our client-focused approach to accomplish and deliver on your specific needs. We understand the importance of providing accurate and timely results with consistently great service. Our methodologies, operating procedures and instrumentation are selected to provide suitable analytical techniques to produce the most precise and accurate analytical results possible. Our cutting-edge technical expertise and innovations enable us to provide you with service excellence.

## Our Accreditation

AGAT Laboratories employs top quality assurance professionals who strive to improve the overall quality of service that we provide. Our Quality Assurance department monitors the operations of the company and ensures compliance with internationally recognized standards, policies and procedures.

AGAT Laboratories is accredited for specific tests as listed in the laboratory’s current scope of accreditation by the following organizations:

**The Standards Council of Canada (SCC)**

**The Canadian Association for Laboratory Accreditation (CALA)**

**SAI Global**

**ISO/IEC 17025:2017**

**ISO 9001:2015**

**APEGA Certificate**

## Proudly Canadian

We are proud to be a Canadian-based business. AGAT Laboratories continues to invest in our company and the interests of Canada’s communities. Our management team values and fosters continued development, diversification and innovation in science and technology which enables us to continually support and invest in local communities.

# Archived Core Analysis

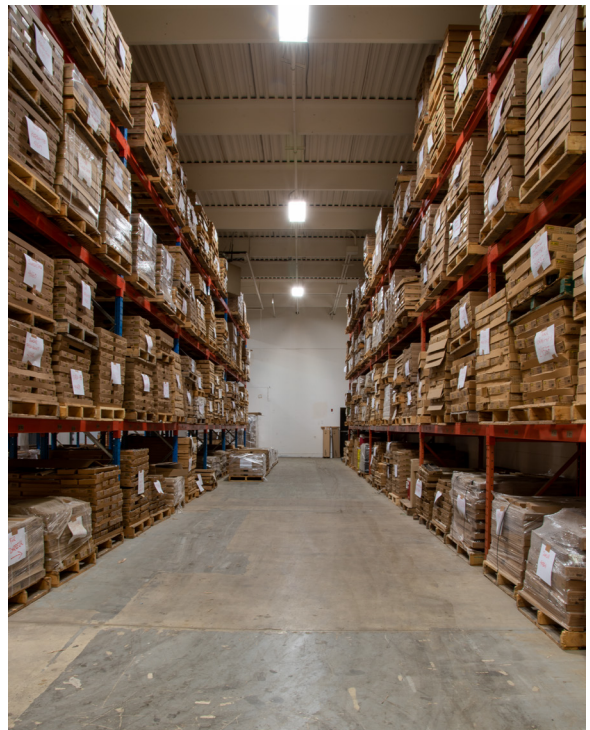
Each provincial regulator has established a core research center to store almost every core ever taken in their respective jurisdiction. Archived core wells are made available to industry to view, use for educational purposes and also perform additional analyses. Archived core analyses provide answers when drilling and coring a new well is not an option. When it comes to analysis, you can do most of the tests that you would normally do on a fresh core, with the exception of saturation testing.

When looking at the possibility of running tests on archived core, it is important to be aware of the regulations and protocols set by each provincial regulator. If the well is not owned by your company, often the operator's permission is required to perform any reservoir characterization analysis.

Each test needs to be clarified as to how much material is required and whether the testing is destructive or not. AGAT Laboratories can help navigate the regulatory and operator hurdles to ensure a successful testing program. For programs that require a high level of confidentiality, AGAT Laboratories can act on the operator's behalf to sample, analyze and submit all of the required documentation.

AGAT Laboratories has been providing an integrated geological and engineering approach to conventional core, special core analysis and unconsolidated core for over 40 years. Our geologists, engineers and technicians provide an unmatched level of expertise and knowledge to address any potential reservoir problem.

For more info contact your BDR representative or email us at [info@agatlabs.com](mailto:info@agatlabs.com)



## Standard Core Analysis Services

- Core Gamma Logs
- CT Scanning
- Routine Permeability, Porosity, and Density Measurements on Full Diameter or Small Plug Samples
- Net-overburden Petrophysical Measurements
- Unconventional Permeability, Porosity and Density Measurements (PDP, GRI, etc.)
- Profile Permeametry

## Specialized Core Analysis (SCAL)

- Formation Damage Studies
- Relative Permeability
- Capillary Pressure Testing
- Wettability
- Rock / Fluid Interaction

## Enhanced Exploration Services

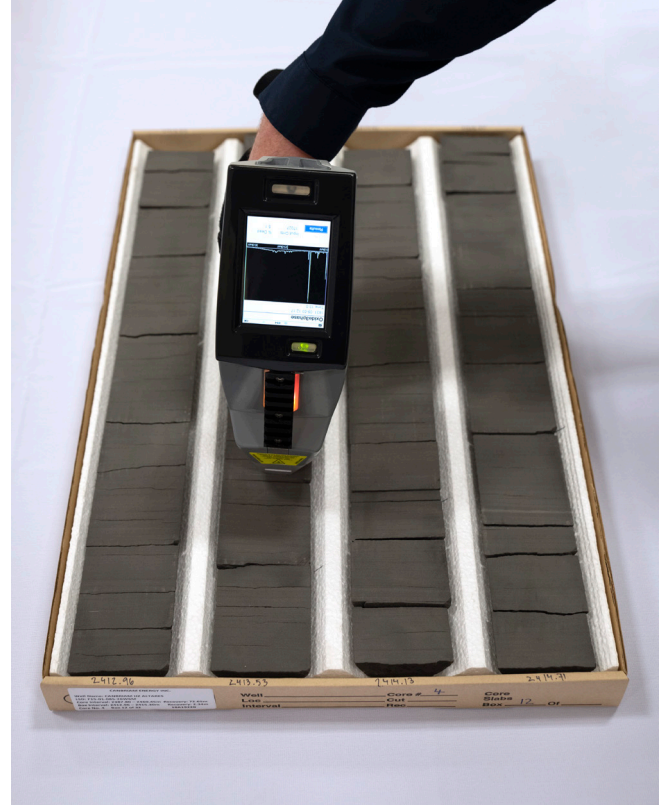
- Thin Section Analysis
- X-Ray Diffraction (XRD)
- Scanning Electron Microscopy (SEM)
- QEMScan
- Particle Size Distribution

## Geochemistry

- Energy Dispersive X-ray Fluorescence (ED-XRF)
- Wavelength Dispersive X-ray Fluorescence (WD-XRF)
- Source Rock Analysis (TOC, Thermal Maturity, etc.)

## Geomechanics

- Uniaxial / Triaxial Compressive Strength
- Pore Volume Compressibility
- Direct Shear,
- Brazilian Tensile Strength
- Leeb Rebound Hardness



## Resources

- **Alberta Energy Regulator**  
<https://www.aer.ca/providing-information/about-the-aer/contact-us/information-services-and-facilities/core-research-centre>
- **Saskatchewan Ministry of Energy and Resources**  
<https://www.saskatchewan.ca/business/agriculture-natural-resources-and-industry/mineral-exploration-and-mining/saskatchewan-geological-survey/services-research-and-facilities>
- **British Columbia Oil & Gas Commission**  
<https://www.bcogc.ca/energy-professionals/core-research-facility/>
- **Manitoba Resource Development**  
<https://www.gov.mb.ca/iem/geo/drillcore/index.html>

## Locations

- **Core Analysis and Enhanced Exploration Services**  
Unit# 106, 2730 39th Av NE  
Calgary, Alberta T1Y 7H6  
**P: 587-391-2540**
- **Reservoir Characterization & PVT**  
3700 21st Street NE  
Calgary, Alberta T2E 6V6  
**P: 403-299-2000**
- **Core Handling, Processing and Viewing**  
3801 21st Street NE  
Calgary, Alberta T2E 6T5  
**P: 403-299-2077**



# AGAT Laboratories

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and find out more about our  
wide range of laboratory services.

