



**POROUS MATERIALS, INC.**

# **ANALYTICAL TESTING SERVICES**

(PRICES CURRENT AS OF JANUARY 2023)

At PMI Analytical Testing Services, we are committed to helping you obtain the pore structure information you need. Because there are multiple techniques and instruments, it is critical at the onset to identify the appropriate method of measurement. We begin by discussing your application with you, learn the results you need to obtain, and then recommend a specific test or combination of tests that will provide the most comprehensive results.

While PMI provides you with a detailed report, our application engineers are always available to discuss and help interpret your results.

PMI's Analytical Testing Services Division can accommodate a wide variety of samples, materials, and shapes. Sample size and consistency requirements vary with the test and material to be analyzed. For a large number of samples, special test conditions, or individual assistance, please contact PMI.

We can analyze your samples and return your results to you (hard copy, on a disk, email, fax, or USPS) in as little as 1-2 business days

Porous Materials, Inc. - 20 Dutch Mill Road - Ithaca, NY 14850 USA

Toll Free - US & Canada: 1-800-TALK-PMI

Telephone: (607) 257-5544

Fax: (607) 257-5639

Email: [info@pmiapp.com](mailto:info@pmiapp.com)

# TESTING PRICES

## Mercury Porosimetry

T101 Pore Volume, Pore Size Distribution, & Surface Area	\$290
T102 Hysteresis	add \$30
T103 Bulk & Absolute Density	add \$70
T104 Particle Size Distribution	add \$85
T105 Compressed Sample Porosimetry	\$325

## Aquapore/ Organopore: (Non -Mercury Porosimetry)

T201 Pore Volume, Pore Size, & Surface Area	\$395
T202 Hysteresis	add \$100
T203 Compressed Sample Porosimetry	\$550

## Pycnometry

T301 Bulk Density (Mercury)	\$120
T302 Absolute Density (Helium)	\$150

## BET Analysis: Surface Area

T401 Single Point Surface Area - Nitrogen	\$115
T402 Single Point Surface Area - Krypton	\$140
T403 Multi-Point Surface Area - Nitrogen	\$170
T404 Multi-Point Surface Area - Krypton	\$200

## Gas Adsorption Analysis: Using Nitrogen

T410 Multi-Point Surface Area, Total Pore Volume & Average Pore Diameter (No Isotherm)	\$275
T411 Complete Adsorption Isotherms (No Data Analysis)	\$330
T412 Complete Desorption Isotherms (No Data Analysis)	\$325
T413 Adsorption & Desorption Isotherms (No Data Analysis)	\$520
T414 Multi-Point Surface Area, Adsorption & Desorption Isotherms, & Pore Distribution	\$585
T415 Multi-Point Surface Area, Adsorption Isotherms, & Pore Distribution	\$405
T416 Multi-Point Surface Area, Desorption Isotherms, & Pore Distribution	\$405
T417 Chemisorption	\$250

## Gas Adsorption Analysis: Using Gases OTHER than Nitrogen

T420 Adsorption or Desorption Isotherms	\$470
T421 Adsorption & Desorption Isotherms	\$610
T422 Specific Surface Area with Gases Other than Nitrogen & Krypton	\$215

## Aquasorb

T430 Water Vapor Adsorption	\$470
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## Capillary Flow Porometry

T501 Gas Permeability	\$245
T501-F (Frazier)	\$125
T501-C (C-522)	\$195
T502 Pore Distribution & Bubble Point	\$295
T503 Gas Permeability, Pore Distribution, & Bubble Point	\$345
T504 Bubble Point	\$120
T505 Microflow Permeability	\$750
T506 Liquid Permeability	\$245
T507 Hydro-Head	\$120
T508 Filter Integrity	\$150

## Capillary Flow Porometry (Continued)

T509 Microflow Permeability, Pore Distribution, & Bubble Point	\$950
T511 In-Plane Gas Permeability	\$285
T512 In-Plane Flow Distribution & Bubble Point	\$390
T513 In-Plane Gas Permeability, Pore Distribution, & Bubble Point	\$495
T514 In-Plane Bubble Point	\$120
T515 In-Plane Microflow Permeability	\$950
T516 In-Plane Liquid Permeability	\$320
T517 In-Plane Hydro-Head	\$120
T518 In-Plane Filter Integrity	\$220
T521 Hi-Flow Gas Permeability	\$245
T522 Hi-Flow Gas Distribution & Bubble Point	\$350
T523 Hi-Flow Permeability, Pore Distribution, & Bubble Point	\$425
T524 Hi-Flow Bubble Point	\$160
T526 Hi-Flow Liquid Permeability	\$340
T527 Hi-Flow Hydro-Head	\$160
T528 Hi-Flow Filter Integrity	\$165

## Compression Porometry

T601 Gas Permeability	\$245
T602 Pore Distribution & Bubble Point	\$395
T603 Gas Permeability, Pore Distribution, & Bubble Point	\$450
T604 Bubble Point	\$120
T605 Microflow Permeability	\$750
T606 Liquid Permeability	\$295
T607 Hydro-Head	\$120
T611 In-Plane Gas Permeability	\$320

## Compression Porometry

T612 In-Plane Pore Distribution & Bubble Point	\$495
T613 In-Plane Gas Permeability, Pore Distribution & Bubble Point	\$520
T614 In-Plane Bubble Point	\$185
T615 In-Plane Microflow Permeability	\$750
T616 In-Plane Liquid Permeability	\$395
T621 Hi-Flow Gas Permeability	\$370
T622 Hi-Flow Gas Distribution & Bubble Point	\$450
T623 Hi-Flow Permeability, Pore Distribution, & Bubble Point	\$525
T624 Hi-Flow Bubble Point	\$185
T625 Hi-Flow Microflow Permeability	\$750
T626 Hi-Flow Liquid Permeability	\$395
T627 Hi-Flow Hydro-Head	\$195

## Diffusion Permeability & Vapor Transmission

T701 Diffusion Permeability	\$495
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## Liquid Extrusion Porosimetry (Continued)

T907 Effects of Compression on Pore Volume	\$450
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## Envelope Surface Area, Average Particle Size, & Average Fiber Diameter

T801 Envelope Surface Area	\$245
T802 Envelope Surface Area & Average Particle Size	\$295
T803 Envelope Surface Area & Average Fiber Diameter	\$295
T804 Average Fiber Diameter	\$245

## Liquid Extrusion Porosimetry

T901 Through Pore Volume & Distribution	\$495
T904 Liquid Permeability	\$295
T905 Pore Volume, Distribution, & Liquid Permeability	\$695

## -Liquid Porometry

T1102 Pore Size & Pore Distribution	\$495
T1103 Microflow Liquid Permeability, Pore Size & Pore Distribution	\$650

## Burst Pressure Test

T1201 Pore Burst Pressure Strength Test	\$150
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## Rock Core

T1301 Pulse Decay Permeability	\$750
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## Capillary Flow Porometry

Bubble Point, Mean Flow Diameter, Pore Distribution, Hydro-Head, Micro Flow Porometry

## Liquid Extrusion Porosimetry

Through Pore Volume & Liquid Permeability

## Permeability

Frazier, Gurley, Rayl, Darcy, Gas Permeability, Liquid Permeability, Diffusion Permeametry

## Water Vapor Transmission Rate

Function of Humidity, Pressure, & Temperature.

## Mercury & Non-Mercury Intrusion Porosimetry

Pore Volume, Diameter, Surface Area, Intrusion/ Extrusion, Hydrophobic/ Hydrophilic Pore

## Gas Adsorption Techniques

Surface Area, Pore Volume, T-Curve, Micro Pore Analysis, Adsorption/ Desorption Isotherms, Chemisorption of Strong Chemicals, Vapor Adsorption

## Pycnometry

Bulk Density, True Density

## Effects of Stimulated Service Condition

Compressive Stress, Stress Cycles, Temperature, Strong Chemicals

100% credit is provided for the use of our analytical services toward equipment purchase within 6 months  
[Up to a maximum of 10% of equipment cost]

# TESTING REQUEST FORM

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

Email: \_\_\_\_\_

Would you like your samples returned? ☐ Yes ☐ No

Would you like a hard copy of data? ☐ Yes ☐ No

PO # or CC #: \_\_\_\_\_

Sec. Code: \_\_\_\_\_ Expiration Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Name on Credit Card: \_\_\_\_\_

Billing Phone: \_\_\_\_\_

Billing Address: \_\_\_\_\_

Requested Turnaround Time:

☐ 5 Days (+20%) ☐ 1-2 Days (+40%) ☐ 1-2 Weeks

**\*\*Complete this form & mail with samples to: PMI Analytical Testing Services, 20 Dutch Mill Road, Ithaca, NY, 14850\*\***

Additional Requested Testing Services	Price: _____	Quantity: _____
	Description: _____	

OFFICIAL USE ONLY - JANUARY 2017	Lot #: _____	Acct: _____
	Samples Submitted: _____	Shipping Date: _____
	Lab: _____	Shipping Method: _____
	Priority _____	Next-Day _____
	Email _____	Fax _____

Test	Price	Quantity
<b>Mercury Porosimetry</b>		
<input type="checkbox"/> T101	\$290	_____
<input type="checkbox"/> T102	add \$30	_____
<input type="checkbox"/> T103	add \$70	_____
<input type="checkbox"/> T104	add \$85	_____
<input type="checkbox"/> T105	\$325	_____
<b>Aquapore/Organopore: Nonwetting /Non Mercury Porosimetry</b>		
<input type="checkbox"/> T201	\$395	_____
<input type="checkbox"/> T202	add \$100	_____
<input type="checkbox"/> T203	\$550	_____
<b>Pycnometer</b>		
<input type="checkbox"/> T301	\$120	_____
<input type="checkbox"/> T302	\$150	_____
<b>BET Analysis: Surface Area</b>		
<input type="checkbox"/> T401	\$115	_____
<input type="checkbox"/> T402	\$140	_____
<input type="checkbox"/> T403	\$170	_____
<input type="checkbox"/> T404	\$200	_____
<b>Gas Adsorption Analysis: Using Nitrogen</b>		
<input type="checkbox"/> T410	\$275	_____
<input type="checkbox"/> T411	\$330	_____
<input type="checkbox"/> T412	\$325	_____
<input type="checkbox"/> T413	\$520	_____
<input type="checkbox"/> T414	\$585	_____
<input type="checkbox"/> T415	\$405	_____
<input type="checkbox"/> T416	\$405	_____
<input type="checkbox"/> T417	\$250	_____
<b>Gas Adsorption Analysis: Using Gases OTHER than Nitrogen</b>		
<input type="checkbox"/> T420	\$470	_____
<input type="checkbox"/> T421	\$610	_____
<input type="checkbox"/> T422	\$215	_____
<b>Aquasorb</b>		
<input type="checkbox"/> T430	\$470	_____
<b>Capillary Flow Porometry</b>		
<input type="checkbox"/> T501	\$245	_____
<input type="checkbox"/> T501-F	\$125	_____
<input type="checkbox"/> T501-C	\$195	_____
<input type="checkbox"/> T502	\$295	_____
<input type="checkbox"/> T503	\$345	_____
<input type="checkbox"/> T504	\$120	_____
<input type="checkbox"/> T505	\$750	_____
<input type="checkbox"/> T506	\$245	_____

Test	Price	Quantity
<b>Capillary Flow Porometry (Continued)</b>		
<input type="checkbox"/> T507	\$120	_____
<input type="checkbox"/> T508	\$150	_____
<input type="checkbox"/> T509	\$950	_____
<input type="checkbox"/> T511	\$385	_____
<input type="checkbox"/> T512	\$390	_____
<input type="checkbox"/> T513	\$495	_____
<input type="checkbox"/> T514	\$120	_____
<input type="checkbox"/> T515	\$950	_____
<input type="checkbox"/> T516	\$320	_____
<input type="checkbox"/> T517	\$120	_____
<input type="checkbox"/> T518	\$220	_____
<input type="checkbox"/> T521	\$245	_____
<input type="checkbox"/> T522	\$350	_____
<input type="checkbox"/> T523	\$425	_____
<input type="checkbox"/> T524	\$160	_____
<input type="checkbox"/> T526	\$340	_____
<input type="checkbox"/> T527	\$160	_____
<input type="checkbox"/> T528	\$165	_____
<input type="checkbox"/> T500HT	add \$115	_____
<b>Compression Porometry</b>		
<input type="checkbox"/> T601	\$245	_____
<input type="checkbox"/> T602	\$395	_____
<input type="checkbox"/> T603	\$450	_____
<input type="checkbox"/> T604	\$120	_____
<input type="checkbox"/> T605	\$750	_____
<input type="checkbox"/> T606	\$295	_____
<input type="checkbox"/> T607	\$120	_____
<input type="checkbox"/> T611	\$320	_____
<input type="checkbox"/> T612	\$495	_____
<input type="checkbox"/> T613	\$520	_____
<input type="checkbox"/> T614	\$185	_____
<input type="checkbox"/> T615	\$750	_____
<input type="checkbox"/> T616	\$395	_____
<input type="checkbox"/> T621	\$370	_____
<input type="checkbox"/> T622	\$450	_____
<input type="checkbox"/> T623	\$525	_____
<input type="checkbox"/> T624	\$185	_____
<input type="checkbox"/> T625	\$750	_____
<input type="checkbox"/> T626	\$395	_____
<input type="checkbox"/> T627	\$195	_____

Test	Price	Quantity
<b>Diffusion Permeability &amp; Vapor Transmission</b>		
<input type="checkbox"/> T701	\$495	_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<b>Envelope Surface Area Average Average Particle Size &amp; Average Fiber Diameter</b>		
<input type="checkbox"/> T801	\$245	_____
<input type="checkbox"/> T802	\$295	_____
<input type="checkbox"/> T803	\$295	_____
<input type="checkbox"/> T804	\$245	_____
<b>Liquid Extrusion Porosimetry</b>		
<input type="checkbox"/> T901	\$495	_____
<input type="checkbox"/>		_____
<input type="checkbox"/> T904	\$295	_____
<input type="checkbox"/>		_____
<input type="checkbox"/> T905	\$695	_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____
<b>Capillary Condensation Flow Porometry</b>		
<input type="checkbox"/>		_____
<b>Liquid-Liquid Porometry</b>		
<input type="checkbox"/> T1102	\$495	_____
<input type="checkbox"/> T1103	\$650	_____
<b>Burst Pressure Test</b>		
<input type="checkbox"/> T1201	\$150	_____
<b>Rock Core Test</b>		
<input type="checkbox"/> T1301	\$750	_____
<input type="checkbox"/>		_____
<input type="checkbox"/>		_____



PMI Analytical Testing Services 20 Dutch Mill Road  
Ithaca, NY 14850 USA  
www.pmiapp.com

Description of Sample(s) & Additional Comments:

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