

COASTAL ENVIRONMENTAL
PO BOX 167
HAMMONTON, NJ 08330

Certificate of Mold Analysis

Prepared for: COASTAL ENVIRONMENTAL
Phone Number:
Fax Number:
Project Name: PULC MIDDLE SCHOOL CLEARANCE
Test Location:
,
Report Number: 1365566
Received Date: September 18, 2020
Report Date: September 18, 2020



Diana Sauri, Laboratory Director or other approved signatory

Currently there are no Federal regulations for evaluating potential health effects of fungal contamination and remediation. This information is subject to change as more information regarding fungal contaminants becomes available. For more information visit <http://www.epa.gov/mold> or www.nyc.gov/html/doh/html/epi/mold.shtml. This document was designed to follow currently known industry guidelines for the interpretation of microbial sampling, analysis, and remediation. Since interpretation of mold analysis reports is a scientific work in progress, it may as such be changed at any time without notice. The client is solely responsible for the use or interpretation. PRO-LAB/SSPTM Inc. makes no express or implied warranties as to health of a property from only the samples sent to their laboratory for analysis. The Client is hereby notified that due to the subjective nature of fungal analysis and the mold growth process, laboratory samples can and do change over time relative to the originally sampled material. PRO-LAB/SSPTM Inc. reserves the right to properly dispose of all samples after the testing of such samples are sufficiently completed or after a 7 day period, whichever is greater.



For more information please contact PRO-LAB at (954) 384-4446 or email info@prolabinc.com

Prepared for : COASTAL ENVIRONMENTAL

Test Address : PULC MIDDLE SCHOOL CLEARANCE

ANALYSIS METHOD	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination
LOCATION	AMBIENT	A101	B103	A107
COC / LINE #	1365566 - 1	1365566 - 2	1365566 - 3	1365566 - 4
SAMPLE TYPE & VOLUME	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L
SERIAL NUMBER	049998T	050027T	079855T	069905T
COLLECTION DATE	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020
ANALYSIS DATE	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020
CONCLUSION	CONTROL	NOT ELEVATED	NOT ELEVATED	NOT ELEVATED

IDENTIFICATION	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total
Cladosporium	20	270	50									
Other Ascospores	8	110	20	4	53	25	4	53	25	8	110	51
Other Basidiospores	12	160	30	4	53	25	4	53	25	4	53	25
Penicillium/Aspergillus				8	110	51	8	110	51	4	53	25

TOTAL SPORES	40	540	100	16	216	100	16	216	100	16	216	100
MINIMUM DETECTION LIMIT	4	53		4	53		4	53		4	53	

BACKGROUND DEBRIS	Light	Light	Light	Light
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OBSERVATIONS & COMMENTS				
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Background debris qualitatively estimates the amount of particles that are not pollen or spores and directly affects the accuracy of the spore counts. The categories of Light, Moderate, Heavy and Too Heavy for Accurate Count, are used to indicate the amount of deposited debris. Light (None to up to 25% obstruction); Medium (26% to up to 75% obstruction); Heavy (76% to up to 90% obstruction); Too Heavy (Greater than 90% obstruction). Increasing amounts of debris will obscure small spores and can prevent spores from impacting onto the slide. The actual number of spores present in the sample is likely higher than reported if the debris estimate is 'Heavy' or 'Too Heavy for Accurate Count'. All calculations are rounded to two significant figures and therefore, the total percentage of spore numbers may not equal 100%. The effect of the results relate only to the items tested. The methods used in this analysis have been validated and is fit for the intended use. R "version" indicated after the lab ID# indicates a sample with amended data.

* **Minimum Detection Limit.** Based on the volume of air sampled, this is the lowest number of spores that can be detected and is an estimate of the lowest concentration of spores that can be read in the sample. **NA** = Not Applicable.

Spores that were observed from the samples submitted are listed on this report. If a spore is not listed on this report it was not observed in the samples submitted.

Interpretation Guidelines: A determination is added to the report to help users interpret the mold analysis results. A mold report is only one aspect of an indoor air quality investigation. The most important aspect of mold growth in a living space is the availability of water. Without a source of water, mold generally will not become a problem in buildings. These determinations are in no way meant to imply any health outcomes or financial decisions based solely on this report. For questions relating to medical conditions you should consult an occupational or environmental health physician or professional.

CONTROL is a baseline sample showing what the spore count and diversity is at the time of sampling. The control sample(s) is usually collected outside of the structure being tested and used to determine if this sample(s) is similar in diversity and abundance to the inside sample(s).

ELEVATED means that the amount and/or diversity of spores, as compared to the control sample(s), and other samples in our database, are higher than expected. This can indicate that fungi have grown because of a water leak or water intrusion. Fungi that are considered to be indicators of water damage include, but are not limited to: *Chaetomium*, *Fusarium*, *Memnoniella*, *Stachybotrys*, *Scopulariopsis*, *Ulocladium*.

NOT ELEVATED means that the amount and/or the diversity of spores, as compared to the control sample and other samples in our database, are lower than expected and may indicate no problematic fungal growth. **UNUSUAL** means that the presence of current or former growth was observed in the analyzed sample. An abundance of spores are present, and/or growth structures including hyphae and/or fruiting bodies are present and associated with one or more of the types of mold/fungi identified in the analyzed sample.

NORMAL means that no presence of current or former growth was observed in the analyzed sample. If spores are recorded they are normally what is in the air and have settled on the surface(s) tested.

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Test Address : PULC MIDDLE SCHOOL CLEARANCE

ANALYSIS METHOD	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination
LOCATION	B101	A102	A103	C106
COC / LINE #	1365566 - 5	1365566 - 6	1365566 - 7	1365566 - 8
SAMPLE TYPE & VOLUME	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L
SERIAL NUMBER	079894T	050018T	079898T	059955T
COLLECTION DATE	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020
ANALYSIS DATE	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020
CONCLUSION	NOT ELEVATED	NOT ELEVATED	NOT ELEVATED	NOT ELEVATED

IDENTIFICATION	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total
Cladosporium												
Other Ascospores	8	110	40	12	160	43	4	53	33			
Other Basidiospores	4	53	19	4	53	14	4	53	33			
Penicillium/Aspergillus	8	110	40	12	160	43	4	53	33	8	110	100

TOTAL SPORES	20	273	100	28	373	100	12	159	100	8	110	100
MINIMUM DETECTION LIMIT	4	53		4	53		4	53		4	53	

BACKGROUND DEBRIS	Light	Light	Light	Light
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OBSERVATIONS & COMMENTS				
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Test Address : PULC MIDDLE SCHOOL CLEARANCE

ANALYSIS METHOD	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination
LOCATION	C108	A202	A208	COACH'S OFFICE
COC / LINE #	1365566 - 9	1365566 - 10	1365566 - 11	1365566 - 12
SAMPLE TYPE & VOLUME	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L
SERIAL NUMBER	059957T	059999T	049982T	049992T
COLLECTION DATE	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020
ANALYSIS DATE	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020
CONCLUSION	NOT ELEVATED	NOT ELEVATED	NOT ELEVATED	NOT ELEVATED

IDENTIFICATION	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total
Cladosporium												
Other Ascospores	8	110	50	4	53	19	12	160	50	4	53	33
Other Basidiospores				8	110	40	4	53	16			
Penicillium/Aspergillus	8	110	50	8	110	40	8	110	34	8	110	67
TOTAL SPORES	16	220	100	20	273	100	24	323	100	12	163	100
MINIMUM DETECTION LIMIT	4	53		4	53		4	53		4	53	
BACKGROUND DEBRIS	Light			Light			Light			Light		
OBSERVATIONS & COMMENTS												

Background debris qualitatively estimates the amount of particles that are not pollen or spores and directly affects the accuracy of the spore counts. The categories of Light, Moderate, Heavy and Too Heavy for Accurate Count, are used to indicate the amount of deposited debris. Light (None to up to 25% obstruction); Medium (26% to up to 75% obstruction); Heavy (76% to up to 90% obstruction); Too Heavy (Greater than 90% obstruction). Increasing amounts of debris will obscure small spores and can prevent spores from impacting onto the slide. The actual number of spores present in the sample is likely higher than reported if the debris estimate is 'Heavy' or 'Too Heavy for Accurate Count'. All calculations are rounded to two significant figures and therefore, the total percentage of spore numbers may not equal 100%. The effect of the results relate only to the items tested. The methods used in this analysis have been validated and is fit for the intended use. R "version" indicated after the lab ID# indicates a sample with amended data.

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Test Address : PULC MIDDLE SCHOOL CLEARANCE

ANALYSIS METHOD	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination	6110 Air Direct Examination
LOCATION	B204	A203	C107	B210
COC / LINE #	1365566 - 13	1365566 - 14	1365566 - 15	1365566 - 16
SAMPLE TYPE & VOLUME	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L	PRO-10 - 75.00L
SERIAL NUMBER	050050T	059969T	079897T	059984T
COLLECTION DATE	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020	Sep 17, 2020
ANALYSIS DATE	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020	Sep 18, 2020
CONCLUSION	NOT ELEVATED	NOT ELEVATED	NOT ELEVATED	NOT ELEVATED

IDENTIFICATION	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total
Cladosporium												
Other Ascospores	4	53	33	4	53	16	8	110	67	4	53	33
Other Basidiospores				12	160	50						
Penicillium/Aspergillus	8	110	67	8	110	34	4	53	33	8	110	67
TOTAL SPORES	12	163	100	24	323	100	12	163	100	12	163	100
MINIMUM DETECTION LIMIT	4	53		4	53		4	53		4	53	
BACKGROUND DEBRIS	Light			Light			Light			Light		
OBSERVATIONS & COMMENTS												

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Test Address : PULC MIDDLE SCHOOL CLEARANCE

ANALYSIS METHOD	6110 Air Direct Examination	INTENTIONALLY BLANK	INTENTIONALLY BLANK	INTENTIONALLY BLANK
LOCATION	B209			
COC / LINE #	1365566 - 17			
SAMPLE TYPE & VOLUME	PRO-10 - 75.00L			
SERIAL NUMBER	059946T			
COLLECTION DATE	Sep 17, 2020			
ANALYSIS DATE	Sep 18, 2020			
CONCLUSION	NOT ELEVATED			

IDENTIFICATION	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total	Raw Count	Spores per m ³	Percent of Total
Cladosporium												
Other Ascospores	4	53	25									
Other Basidiospores	4	53	25									
Penicillium/Aspergillus	8	110	51									

TOTAL SPORES	16	216	100									
MINIMUM DETECTION LIMIT	4	53										

BACKGROUND DEBRIS	Light											
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OBSERVATIONS & COMMENTS												
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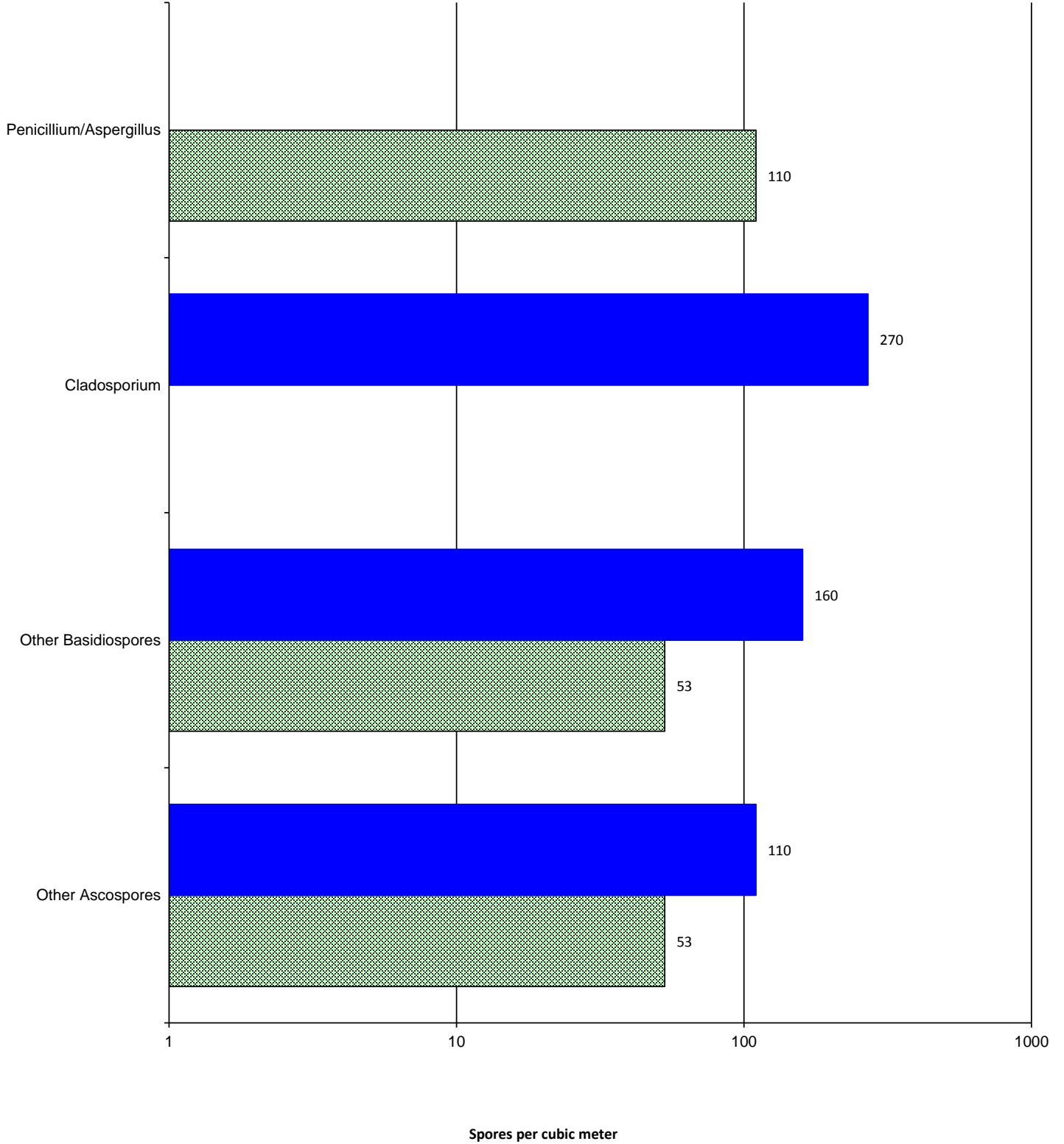
NOT ELEVATED means that the amount and/or the diversity of spores, as compared to the control sample and other samples in our database, are lower than expected and may indicate no problematic fungal growth. **UNUSUAL** means that the presence of current or former growth was observed in the analyzed sample. An abundance of spores are present, and/or growth structures including hyphae and/or fruiting bodies are present and associated with one or more of the types of mold/fungi identified in the analyzed sample.

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Chain of Custody # 1365566

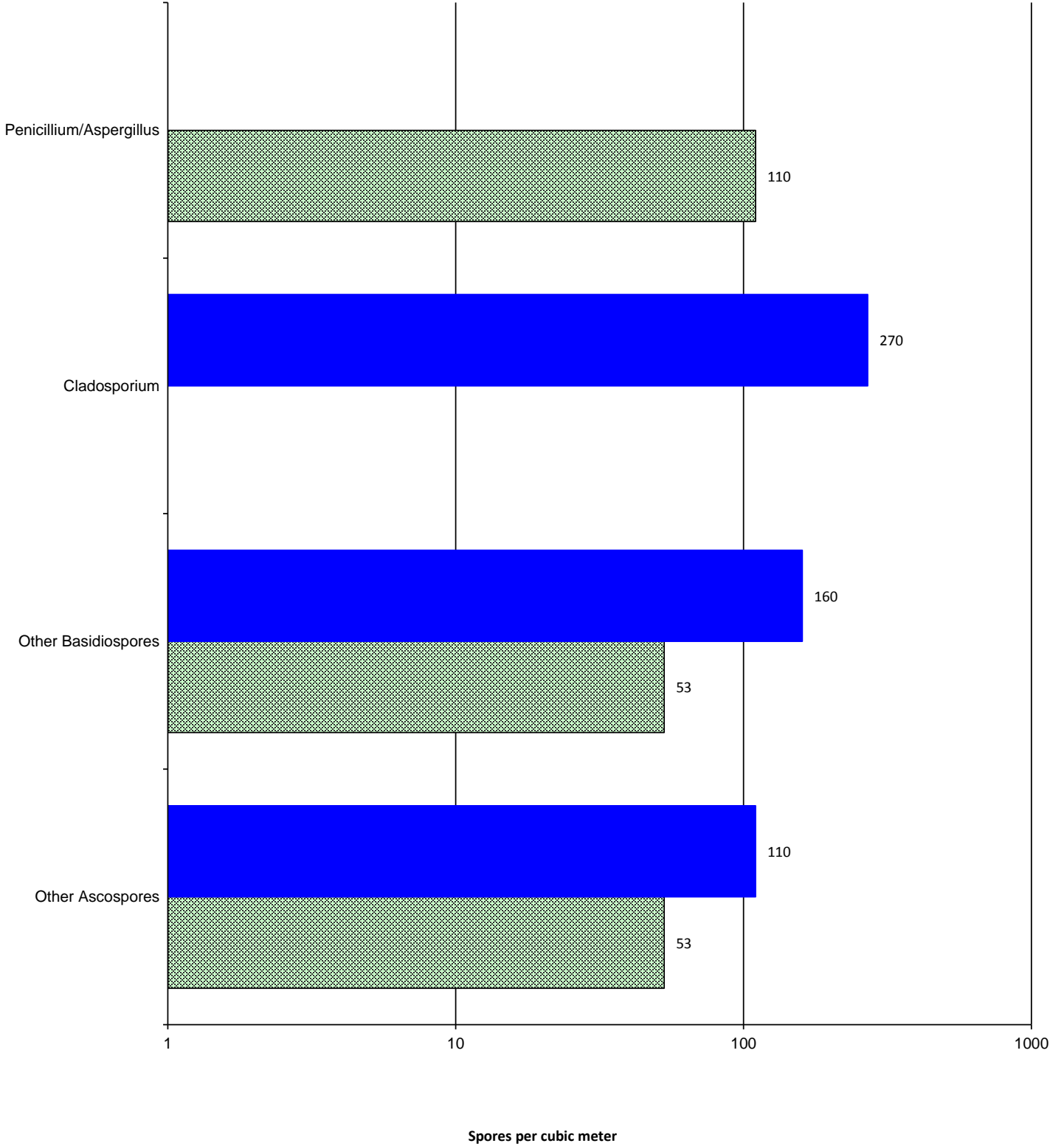
A101
Ambient





Chain of Custody # 1365566

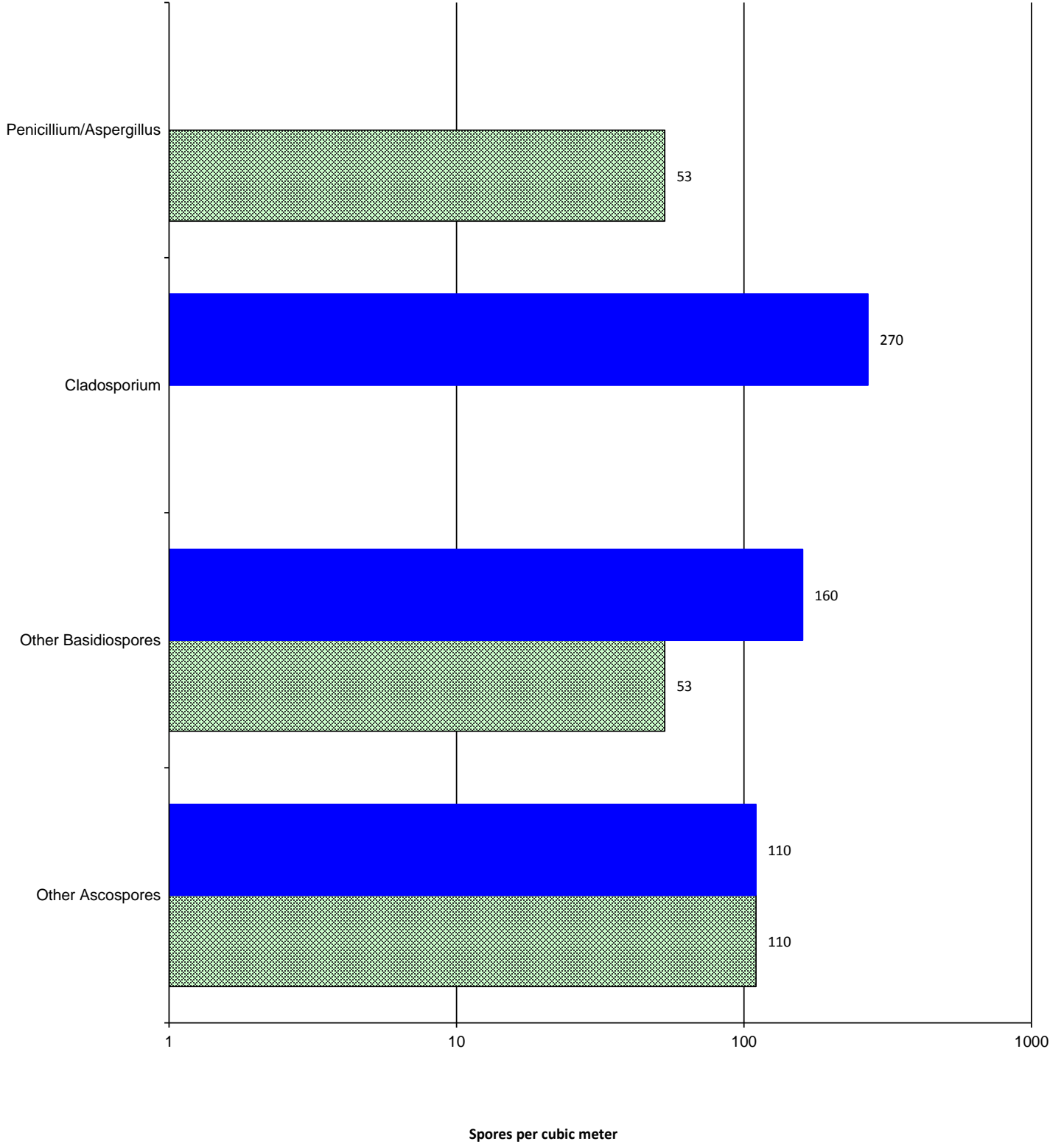
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 Ambient







Chain of Custody # 1365566

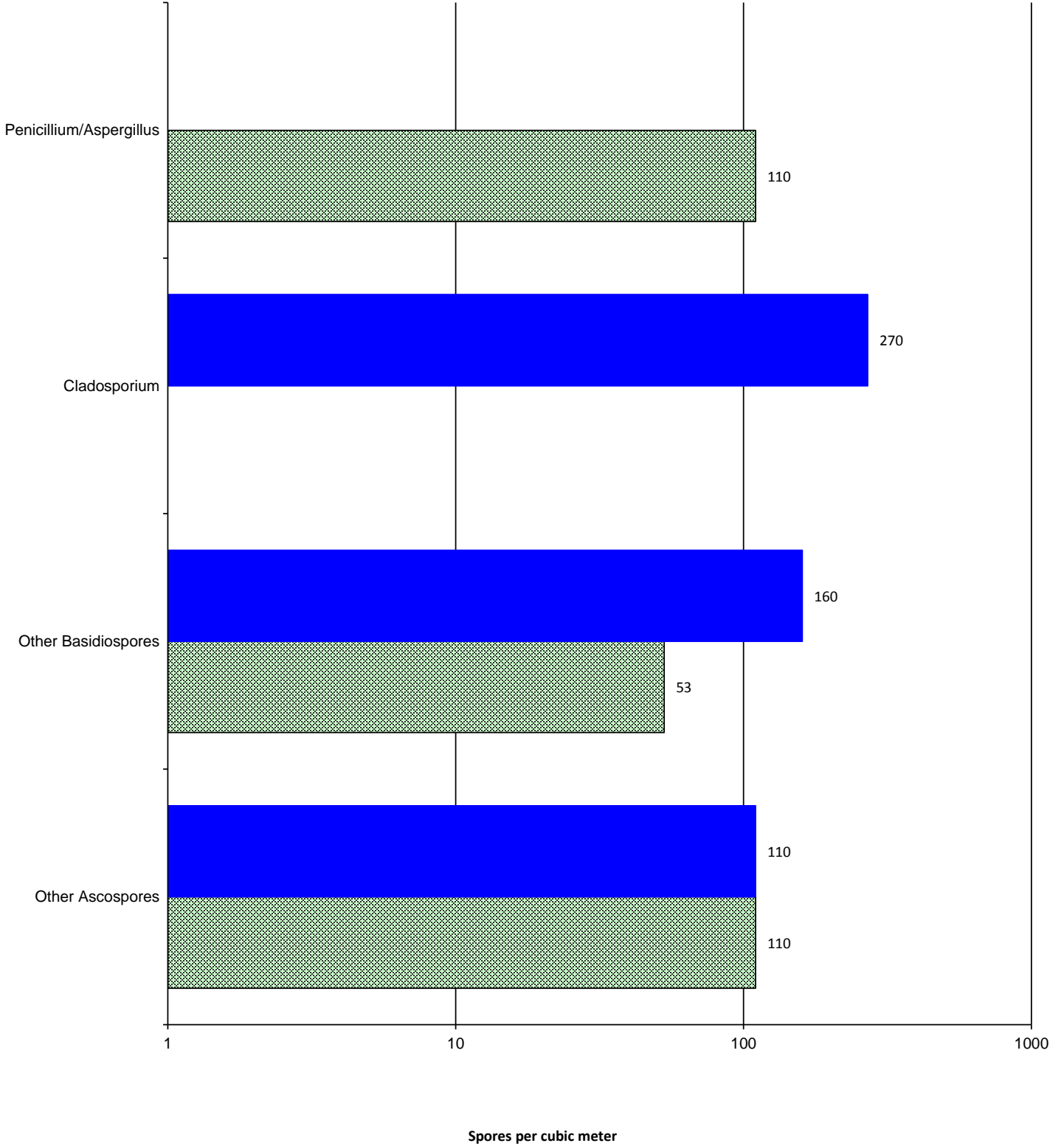
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Chain of Custody # 1365566

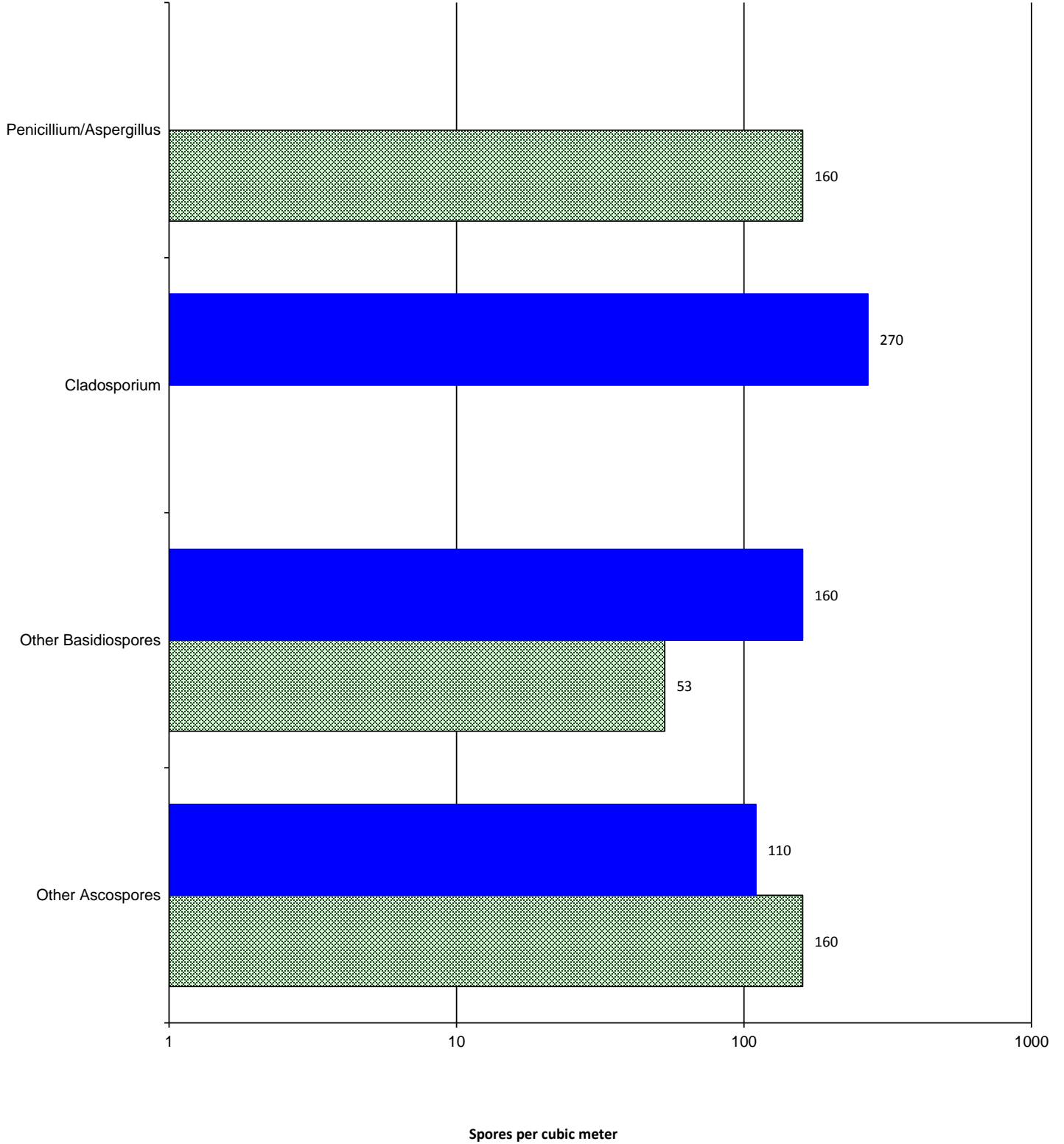
 B101
 Ambient





Chain of Custody # 1365566

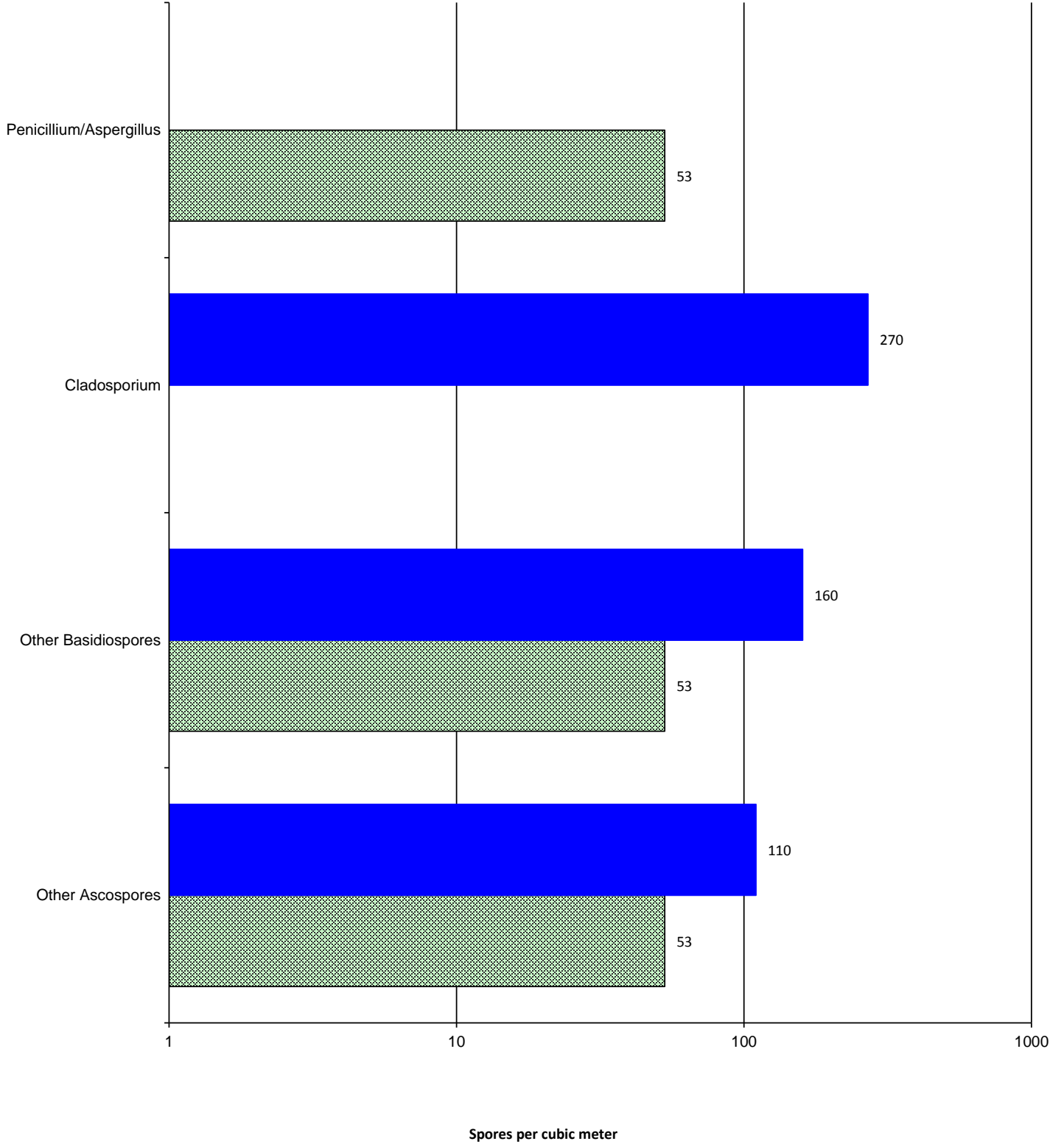
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Ambient





Chain of Custody # 1365566

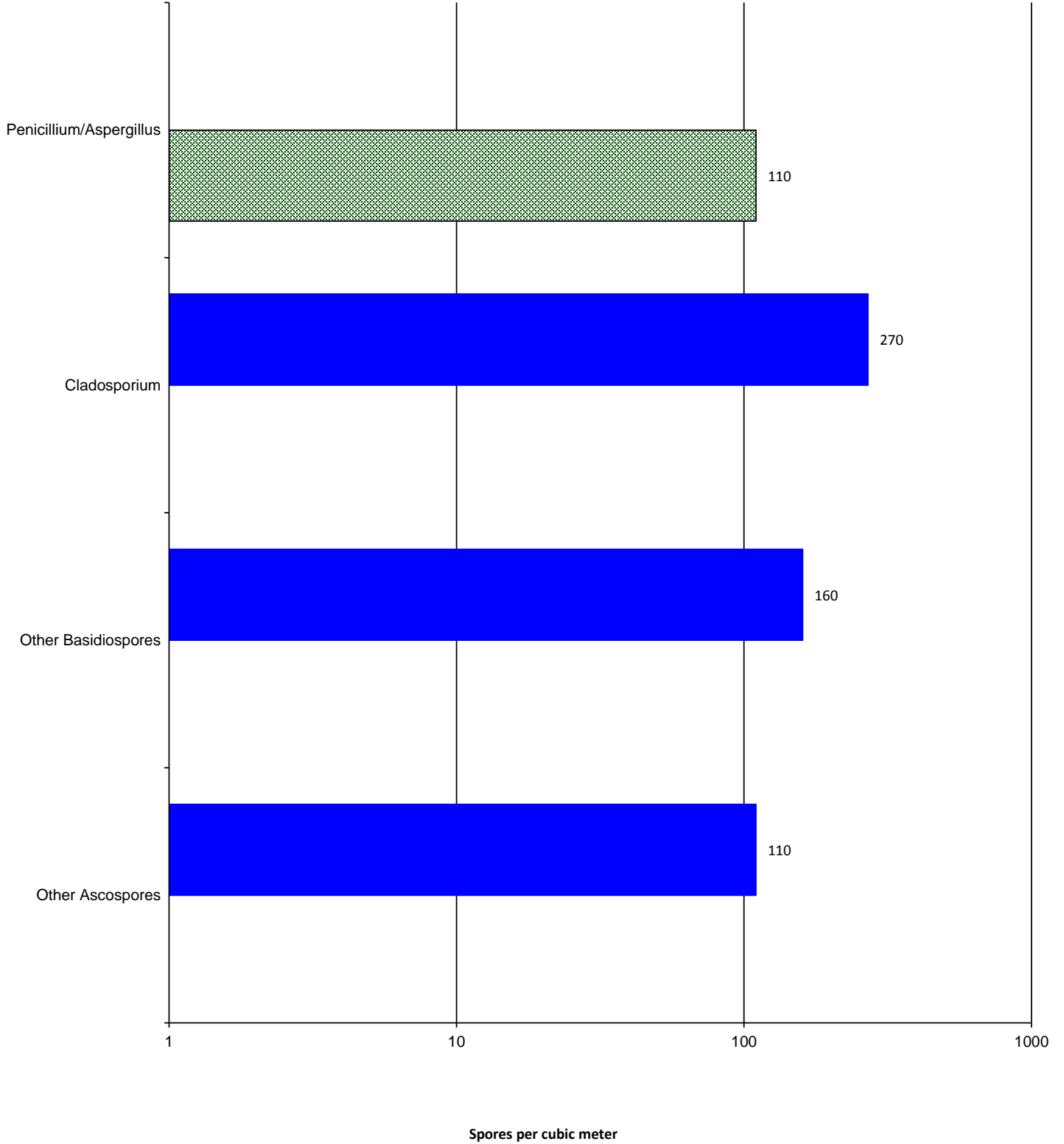
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Ambient





Chain of Custody # 1365566

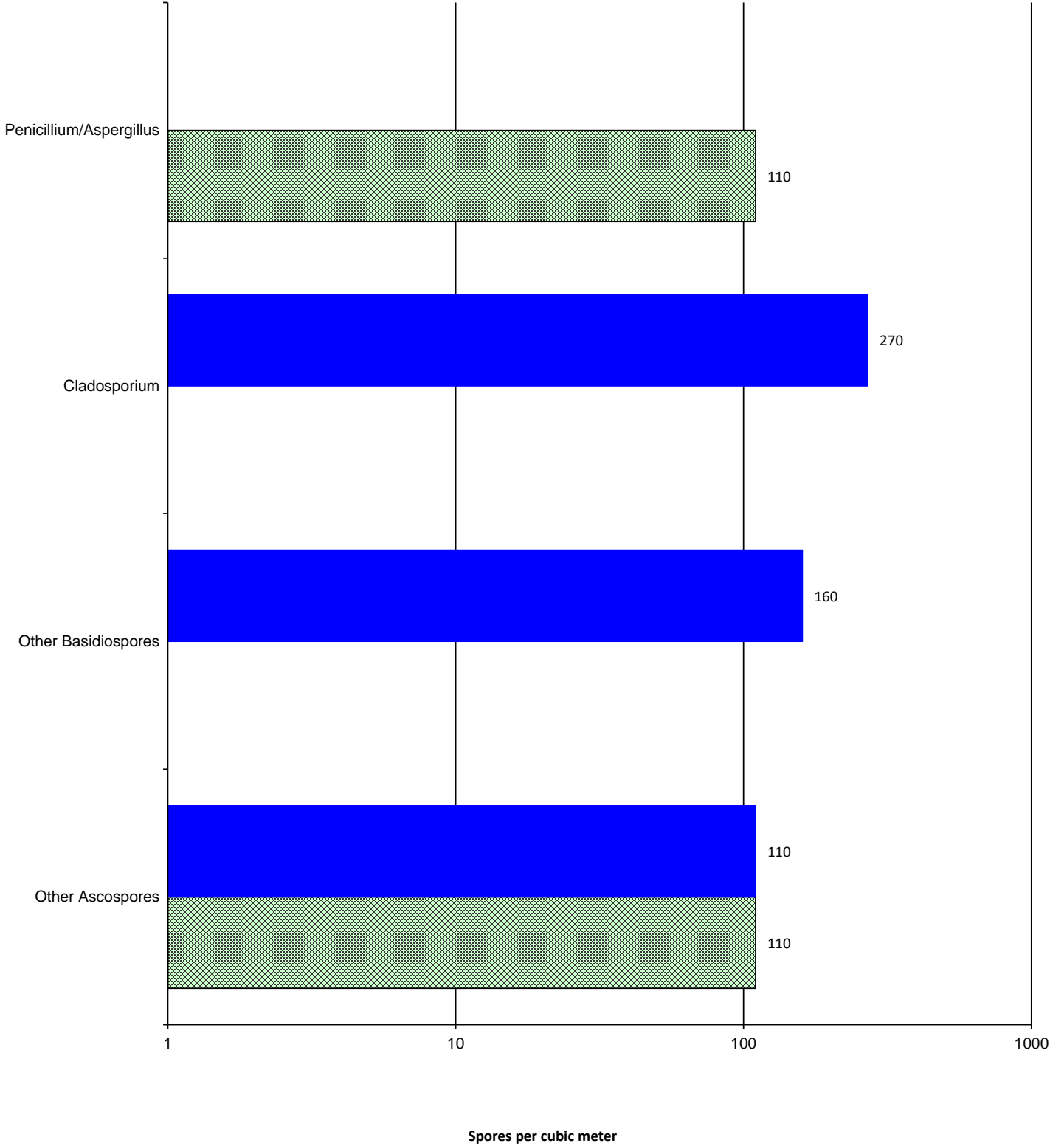
C106
Ambient





Chain of Custody # 1365566

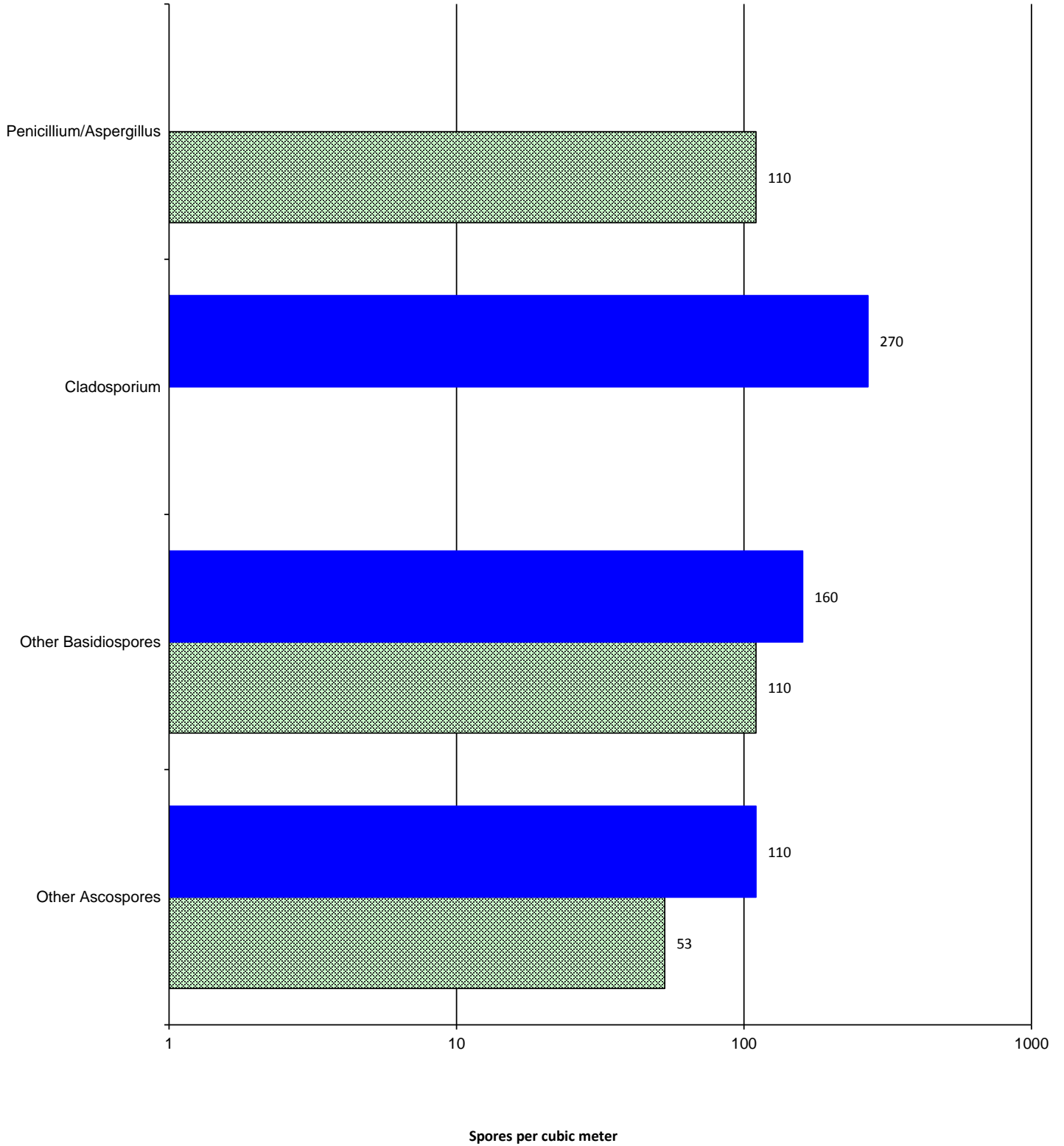
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Chain of Custody # 1365566

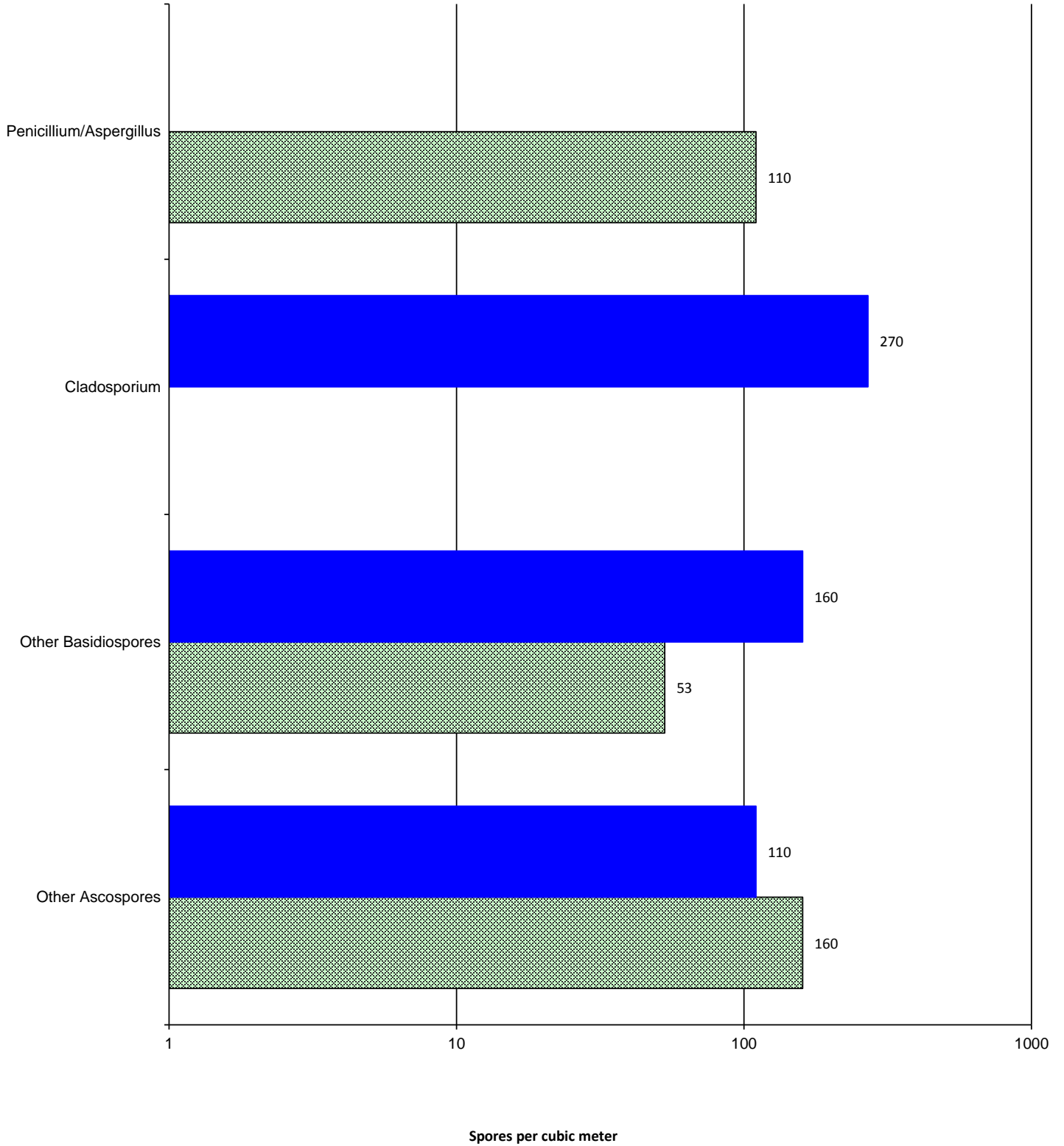
A202
Ambient





Chain of Custody # 1365566

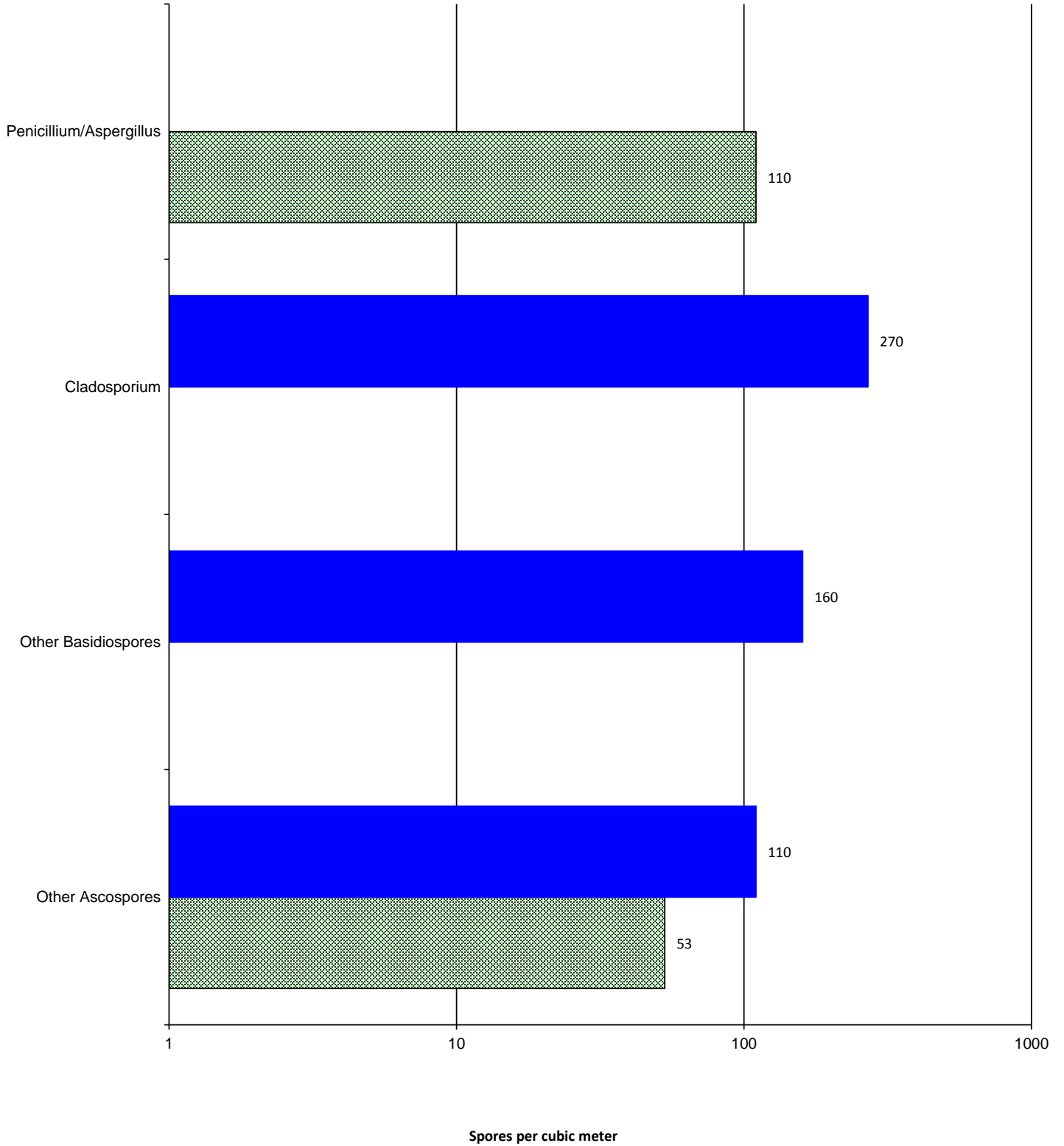
A208
Ambient







Chain of Custody # 1365566

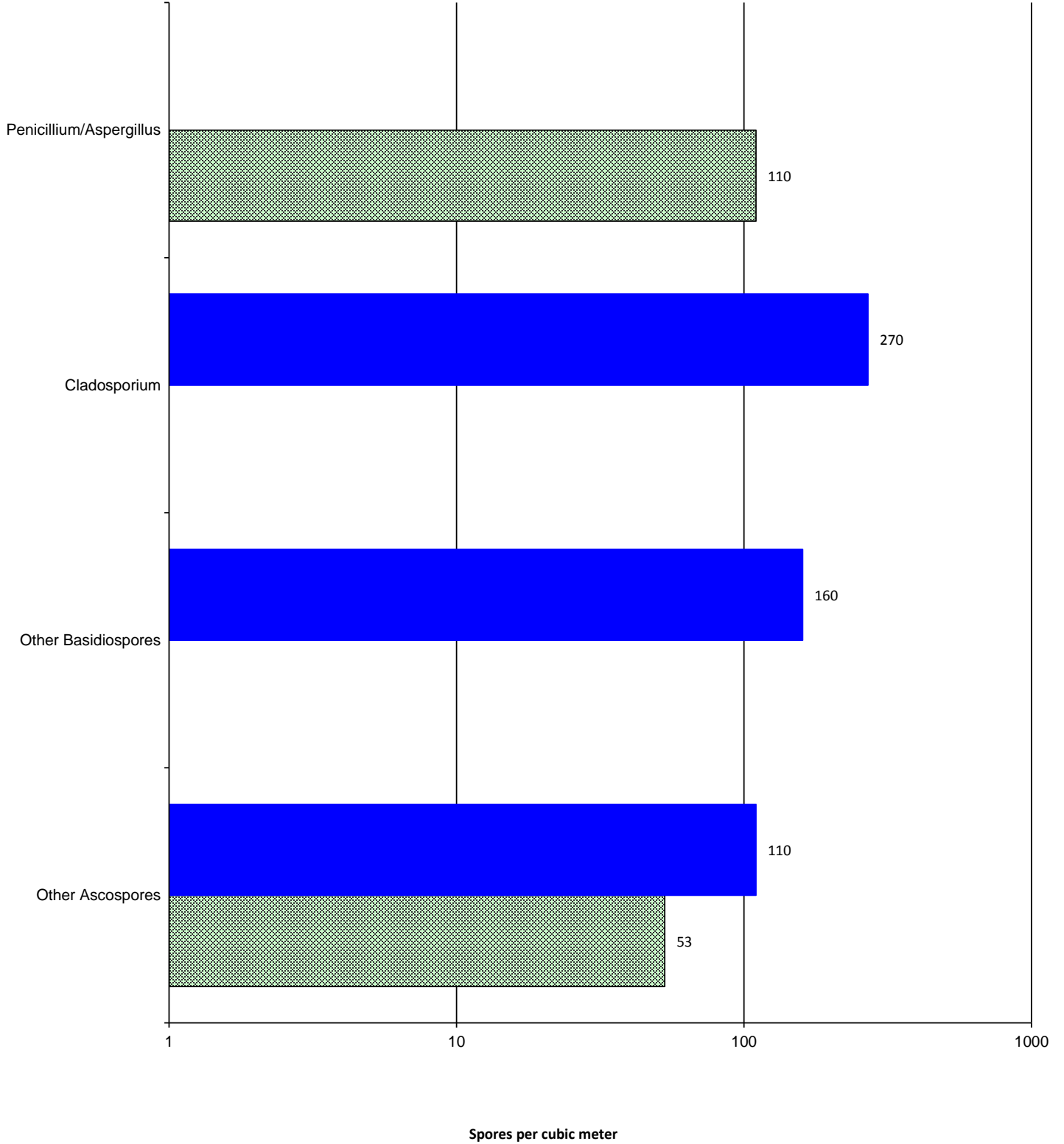
Coach's Office
Ambient





Chain of Custody # 1365566

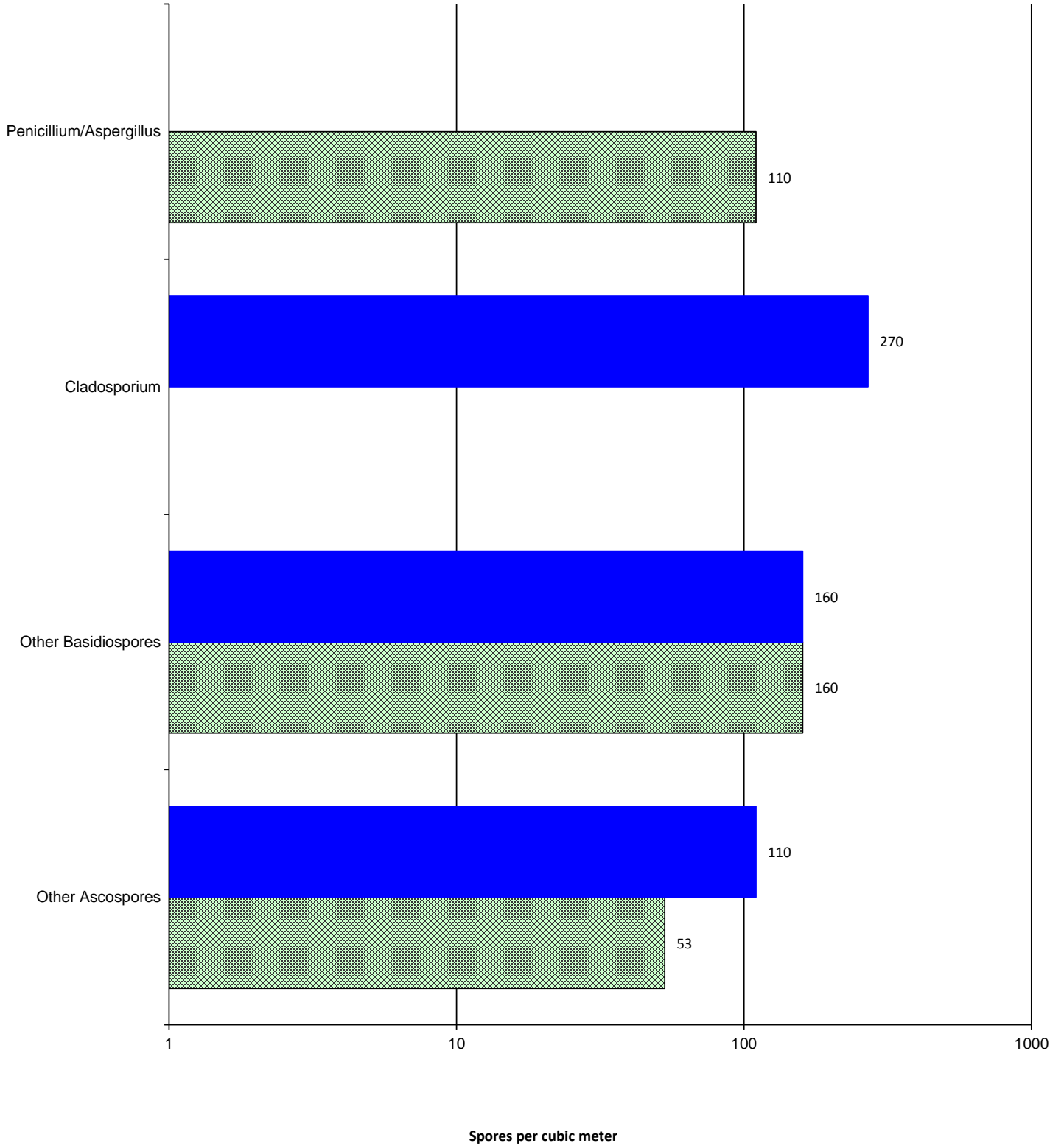
 B204
 Ambient





Chain of Custody # 1365566

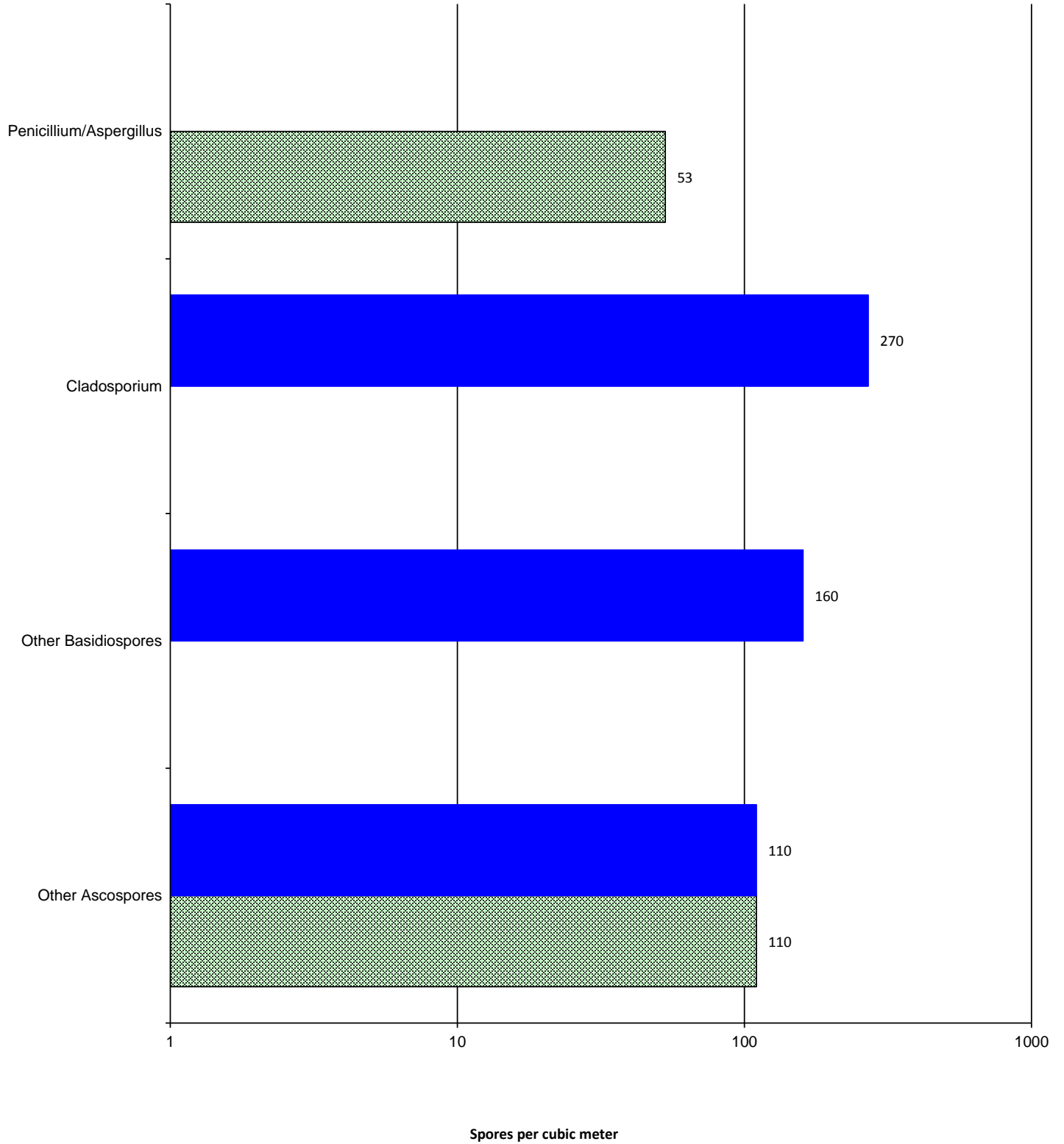
A203
Ambient







Chain of Custody # 1365566

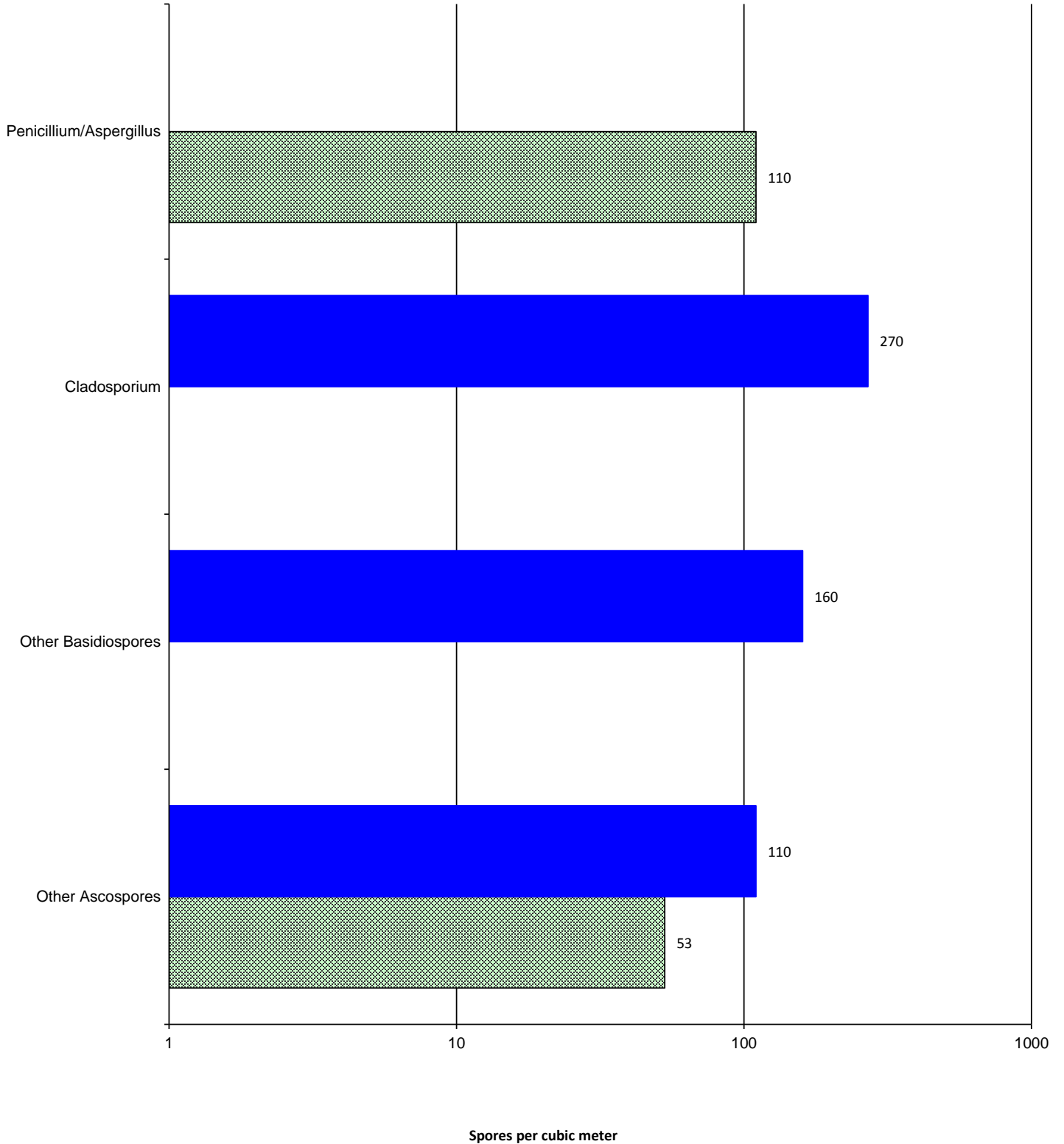
C107
Ambient







Chain of Custody # 1365566

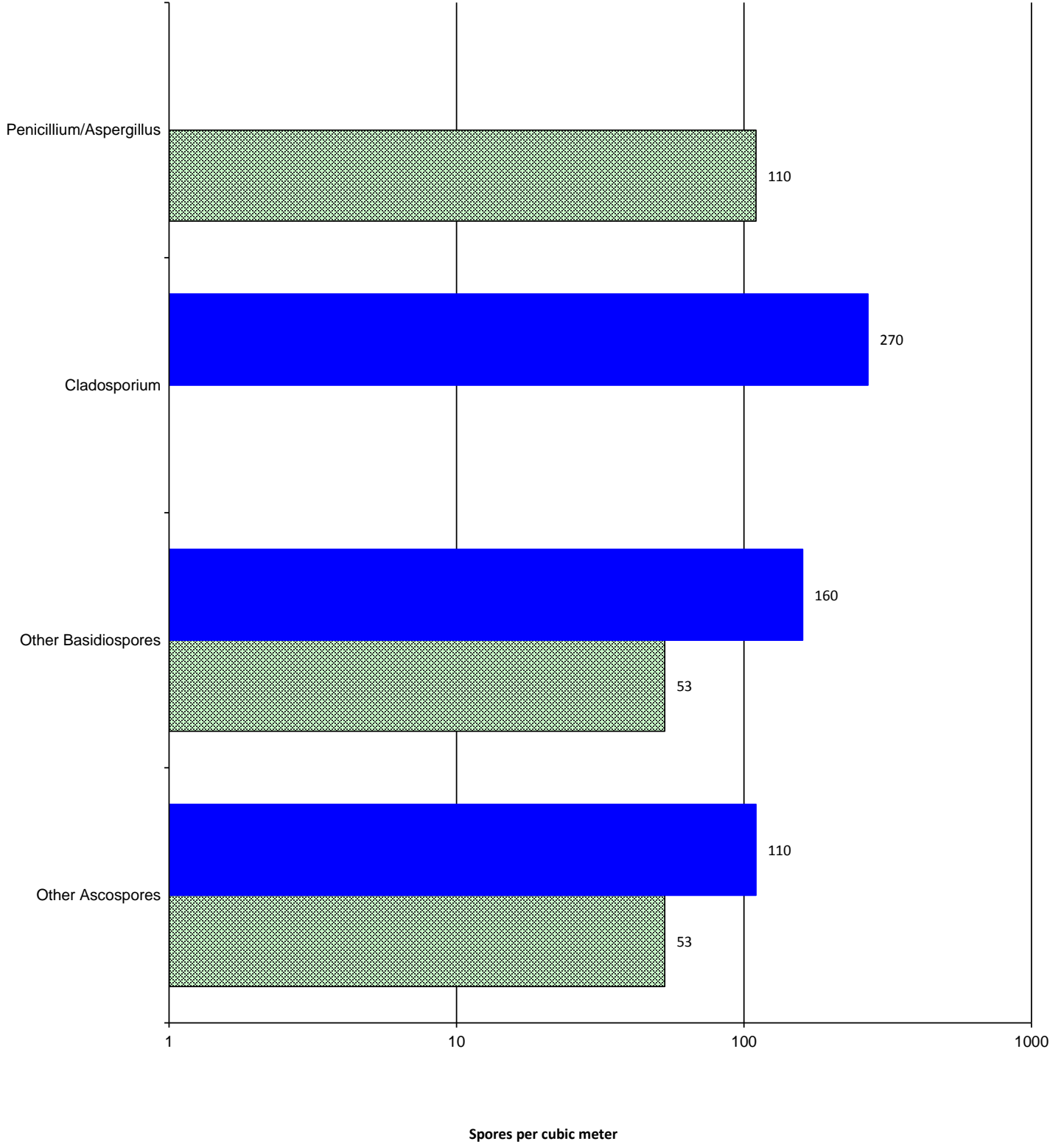
 B210
 Ambient





Chain of Custody # 1365566

 B209
 Ambient



Identification	Outdoor Habitat	Indoor Habitat	Possible Allergic Potential Not an opinion or interpretation	Comments
Cladosporium	The most common spore type reported in the air worldwide. Found on dead and dying plant litter, and soil.	Commonly found on wood and wallboard. Commonly grows on window sills, textiles and foods.	Type I (hay fever and asthma), Type III (hypersensitivity pneumonitis) allergies.	A very common and important allergen source both outdoors and indoors.
Ascospores	Common everywhere. Constitutes a large part of the airspora outside. Can reach very high numbers in the air outside during the spring and summer. Can increase in numbers during and after rainfalls.	Very few of this group grow inside. The notable exception is Chaetomium, Ascotricha and Peziza.	Little known for most of this group of fungi. Dependent on the type (see Chaetomium and Ascotricha).	
Basidiospores	Commonly found everywhere, especially in the late summer and fall. These spores are from Mushrooms.	Mushrooms are not normally found growing indoors, but can grow on wet lumber, especially in crawlspaces. Sometimes mushrooms can be seen growing in flower pots indoors.	Some allergenicity reported. Type I (hay fever, asthma) and Type III (hypersensitivity pneumonitis).	Among the group of Mushrooms (Basidiomycetes) are dry rot fungi Serpula and Poria that are particularly destructive to buildings.
Penicillium/Aspergillus	Common everywhere. Normally found in the air in small amounts in outdoor air. Grows on nearly everything.	Wetted wallboard, wood, food, leather, etc. Able to grow on many substrates indoors.	Type I (hay fever and asthma) allergies and Type III (hypersensitivity pneumonitis) allergies.	This is a combination group of Penicillium and Aspergillus and is used when only the spores are seen. The spores are so similar that they cannot be reliably separated into their respective genera.