

Torula herbarum	3	36	12	143	16	190		
Ulocladium	6	71	24	286	4	48	2	24
Unknown	1	12						
Zygomycetes	160	1,905	96	1,143	24	286		
Background debris (1-4+) ††	>4+		>>4+		>4+		4+	
Sample Volume (liters)	84		84		84		84	
TOTAL SPORES/M3		209,704		207,812		166,310		15,833

Comments:

*Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.

- The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paceilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.

- Background debris is an indication of the amount of non-biological particulate matter present on the slide (dust in the air) and is graded from 1+ to 4+ with 4+ indicating the largest amounts. To evaluate dust levels it is important to account for differences in sample volume. This background material is also an indication of visibility for the analyst and resultant difficulty in reading the slide. For example, high background debris may obscure small pores such as the *Penicillium/Aspergillus* group. Counts from areas with 4+ background debris should be regarded as minimum counts and may actually be higher than reported.

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