MICROBIOLOGY LABORATORY ANALYSIS EXPLANATIONS/CODES

Non-viable Samples

NVB ***Bulk Tape Lift, Bulk Materials, Swabs, Macrofungus, etc.***
Direct examination, relative density determination, identification to phyla/genus level as warranted.

NVA ***Air-O-Cell, Burkard, Allergenco, etc.***
Total and individual fungal enumeration of fungal spores/m^3; genus identification where possible; visual qualification of background particulate matter.

Viable - Air Samples

VAG ***Colony Count and Genus Identification***
Identification of fungal colonies to the genus level, with enumeration of total number of fungal colonies present on the nutrient-defined media plate as colony forming units/m^3.

VAAS ***Colony Count and Species Identification of Aspergillus/Stachybotrys***
Identification of fungal colonies to the genus level, with enumeration of the total number of fungal colonies present on the nutrient-defined media plate as colony forming units/m^3. *Aspergillus* and *Stachybotrys* identified to the species level.

VASS ***Colony Count and Single Species Identification***
Identification of a client requested single or additional genus to the species level where possible, with enumeration of the total number of fungal genera present on the media plate as colony forming units/m^3.

VAGS ***Colony Count and Species Identification***
Identification of all fungal colonies to the species level where possible, with enumeration of the total number of fungal colonies present on the nutrient-defined media plate as colony forming units/m^3.

Viable - Bulk Samples

VBG ***Colony Count and Genus Identification***
Identification of fungal colonies to the genus level, with enumeration of the total number of fungal colonies present on the nutrient-defined media plate as colony forming units per area, weight, or volume.

VBAS ***Colony Count and Species Identification of Aspergillus/Stachybotrys***
Identification of fungal colonies to the genus level, with enumeration of the total number of fungal colonies present on the nutrient-defined media plate as colony forming units per unit area, weight, or volume. *Aspergillus* and *Stachybotrys* identified to the species level.

VBSS ***Colony Count and Single Species Identification***
Identification of a client requested single or additional genus to the species level where possible, with enumeration of the total number of fungal genera present on the media plate as colony forming units per unit area, weight, or volume.

VBD ***Direct Examination, Colony Count and Species ID of Aspergillus/Stachybotrys***
Direct examination of the bulk material, visual qualification or quantification (as requested) of fungal colonization of bulk material, with fungal identification to the phyla/genus level as warranted. Bulk material is then cultured for the identification of fungal colonies to the genus level, with enumeration of the total number of fungal colonies present on the nutrient-defined media plate as colony forming units per unit area, weight, or volume.
Fungal colonies of *Aspergillus* and *Stachybotrys* identified to the species level.

VBGS ***Colony Count and Species Identification***
Identification of all fungal colonies to the species level where possible, including enumeration of the total number of fungal colonies present on three different nutrient-defined media plates **(MEA/DG18/CA)** as colony forming units per area, weight, or volume.

Viable - Surface Samples

VSG ***Colony Count and Genus Identification***
Identification of fungal colonies to the genus level, with enumeration of the total number of fungal colonies present on the nutrient-defined media plate as colony forming units per area, weight, or volume.

VSAS ***Colony Count and Species Identification of Aspergillus/Stachybotrys***
Identification of fungal colonies to the genus level, with enumeration of the total number of fungal colonies present on the nutrient-defined media plate as colony forming units per area, weight, or volume. *Aspergillus* and *Stachybotrys* identified to the species level.

VSSS ***Colony Count and Single Species Identification***
Identification of a client requested single or additional genus to the species level where possible, with enumeration of the total number of fungal genera present on the media plate as colony forming units per unit area, weight, or volume.

VSGS ***Colony Count and Species Identification***
Identification of all fungal colonies to the species level where possible, including enumeration of the total number of fungal colonies present on three different nutrient-defined media plates **(MEA/DG18/CA)** as colony forming units per area, weight, or volume.

BACTERIA LABORATORY ANALYSIS EXPLANATIONS/CODES

Viable- Air Samples

BCA ***Colony Count***
Incubation and enumeration of the total number of bacterial colonies present on the plate.

BCGA ***Colony Count and Gram Stain***
Classification of bacterial colony morphologies based on cell morphology and gram reaction; enumeration of total number of bacterial colonies present on plate.

BIDA ***Colony Count, Gram Stain and Microorganism Identification***
Analysis includes identification of the predominant bacterial colony. Classification of bacterial colonies based on cell morphology and gram reaction; enumeration of the total number of bacterial colonies present on the plate by incubation of the plate.

Viable- Bulk Samples

BCB ***Colony Count***
Sample preparation, incubation and enumeration of the total number of bacterial colonies present on the plate.

BCGB ***Colony Count and Gram Stain***
Classification of bacterial colony morphologies based on cell morphology and gram reaction; enumeration of total number of bacterial colonies present on plate.

BIDB ***Colony Count, Gram Stain and Microorganism Identification***
Please see a description of this analysis above under the analysis code BIDA.

Viable- Surface Samples

BCS ***Colony Count***
Incubation and enumeration of the total number of bacterial colonies present on the plate.

BCGS ***Colony Count and Gram Stain***
Classification of bacterial colony morphologies based on cell morphology and gram reaction; enumeration of total number of bacterial colonies present on plate.

BIDS ***Colony Count, Gram Stain and Microorganism Identification***
Please see a description of this analysis above under the analysis code BIDA.

Total Coliform and E. Coli/Fecal Coliform

TCQL ***Qualitative Sewage Screen- presence/absence test (MUG method)***
Analysis includes two phases. Presumptive phase will include sample preparation, incubation, and observation for the total coliforms and E. coli bacteria. Presumptive positives of E. coli bacteria will then be confirmed on the appropriate media. Results will include the presence/absence of E. coli bacteria.

TCQN ***Quantitative (MPN test)***
Samples are analyzed for the specific number of total coliforms and fecal coliforms present in the sample. Analysis includes two phases. Presumptive phase will include sample preparation, incubation, and observation for the presence of total coliforms. Samples are then transferred to appropriate media to confirm the presence of total coliforms and fecal coliforms. Results are calculated to give specific number of coliforms present in the sample by matching the number of positives with the MPN index.

Additional Testing

BID ***Additional Species Identifications (per isolate)***
Additional test to identify bacteria present in small amount in the screened sample. Test requested when there is a need to identify bacteria other than the three most predominant colony types. Bacteria isolates will be identified using standard mehtodologies and pin point the bacteria of concern in addition to what is present on the plate. Test will be a continuation of the Colony Count + Gram Stain + Microorganism ID test.

EC ***Quantitative analysis for detection of E. coli from isolated sample***
Additional test to include screening of E. coli bacteria from the provided sample including sample preparation, incubation, gram staining, and confirmation using the appropriate media. Results will give you the exact number of E. coli bacteria present in the sample.

BGS ***Additional Gram Stain (per isolate)***
Additional test to classify bacterial colony morphologies based on cell morphology and gram reaction.