

Aspergillus flavus Scientific Information

Aw 0.78. Conidia dimensions 3-6 microns or 3-5 microns.

Where is Aspergillus flavus found?

It grows on moldy corn and peanuts. It can be found in warm soil, foods and dairy products. It can be found in water damaged carpets

Is Aspergillus flavus Allergenic?

It is reported to be allergenic. Its presence is associated with reports of asthma.

Toxins Produced by Aspergillus flavus

Some strains are capable of producing a group of mycotoxins - in the aflatoxin group. The production of the fungal toxin is dependent on the growth conditions and on the substrate used as a food source.

Aspergillus flavus Health Effects

Aflatoxins are known animal carcinogen. There is limited evidence to suggest that this toxin is a human carcinogen. The toxin is a poisonous to humans by ingestion. It may also result in occupational disease via inhalation. Experiments have indicated that it is teratogenic and mutagenic. It is toxic to the liver. This fungus is associated with aspergillosis of the lungs and/or disseminated aspergillosis. This fungus is occasionally identified as the cause of corneal, otomycotic and nasoorbital infections.

Is Aspergillus flavus a "black mold"

No