

## Report and results: the Peguis samples

In a home, mold grows in damp areas like bathrooms, basements and then it can spread everywhere. Mold is responsible for allergic reactions and asthma attacks in some allergic people. Some molds are pathogenic and can cause serious illness in the population. Others are toxigenic and are responsible for serious health problems even in very healthy people.

### Samples

Two batches of 4 samples each and a bottle of liquid sample were taken from a house in Peguis:

Lot 1: B1, B2, B3 and B4.

Lot 2: B1A, B2A, B3A and B4A.

liquid sample bottle: Liq

### Cleaner

Two concentrations of GermFaga were used to carry out the tests:

Concentration 1 (0.1% PHMGH solution): 1 tablet of 2 g in one liter of water

Concentration 2 (0.2% PHMGH solution): 2 tablets of 2 g each in one liter of water.

The tests were carried out in the NC2+ laboratory of the Department of Experimental Sciences at the University of Saint-Boniface.

Each sample was tested 3 times in duplicate.

The experimental setup:

Concentrations	Lot 1 of samples				Lot 2 of samples			
0.1 % de PHMGH	B1x3x2	B2x3x2	B3x3x3	B4x3x2	B1Ax3x2	B2Ax3x2	B3Ax3x2	B4Ax3x2
0.2 % de PHMGH	B1x3x2	B2x3x2	B3x3x2	B4x3x2	B1Ax3x2	B2Ax3x2	B3Ax3x2	B4Ax3x2

Results

The **positive control** is a portion of sample B1 seeded in fresh, tablet-free growth medium.  
**Negative control** is fresh uninoculated growth medium

1- Analyse du lot 1

Samples	Positive control			Negative control			B1			B2			B3		
Trials	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
Growth	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-

(+) indique la croissance et (-) indique la non-croissance



Positive control (+)

Negative control (-)

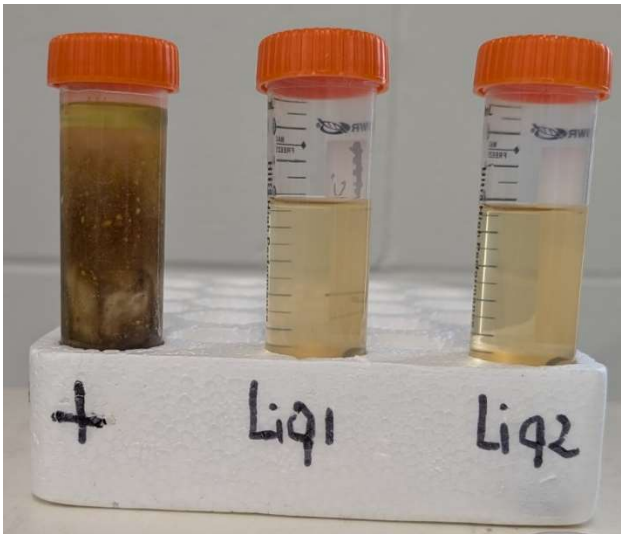
B1

B2

B3

B4

2- Liq Analysis



3- Analyse du lot 2

Samples	Positive control					Negative control					B1A			B2A			B3A						
Trials	1		2		3	1		2		3	1	2	3	1	2	3	1	2	3				
Growth	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(+) indicates growth and (-) indicates no growth



Positive control (+)    negative control (-)    B1A    B2A    B3A    B4A

4- Identification of mold

These samples contained various types of mold, mainly including black mold called *Stachybotrys chartarum*; the genera *Aspergillus*, *Penicillium*, *Alternaria* and *Mucormycetes*.