



# Quality Control Materials

Romer Labs offers a range of quality control materials (QCM) for most of the regulated mycotoxins in different contamination levels and matrices.

## What are Biopure™ Quality Control Materials?

Romer Labs provides Quality Control Materials (QCM) in various matrices and contamination levels for most of the regulated mycotoxins. QCM for Aflatoxin, Deoxynivalenol, Fumonisin and Zearalenone as well as Multitoxin QCM are available.

QCM are naturally contaminated materials with a Romer Labs in-house characterization by an ISO 17025 accredited LC-MS/MS method. Certificates of analysis are provided with each batch.

QCM can be used for validating methods, periodical accuracy checks of accredited analytical methods and as positive control materials in different assays.

## Characteristics

- Homogeneity tested
- Stability tested
- 3 different contamination levels (low, mid, high) based on EU regulations



## Features and Benefits

- Effective quality control tool
- Stability & homogeneity tested materials
- State-of-the-art characterized materials
- Sample consistency through robust packaging
- Useful for periodical accuracy checks of analytical methods



# Quality Control Materials

All materials are packaged into stable amber plastic bottles with a tamper-proof cap in amounts of 100 g each.

## Ordering Information

Material	Concentration [ $\mu\text{g}/\text{kg}$ ]*	Item No.
Blank		
Wheat, blank	< Limit of Detection	10003611
Aflatoxin		
Corn, low level	Afla B1: 5.3 $\mu\text{g}/\text{kg}$ $\pm$ 2.1 $\mu\text{g}/\text{kg}$ Afla B2: 1.3 $\mu\text{g}/\text{kg}$ $\pm$ 0.48 $\mu\text{g}/\text{kg}$ Afla G1: < 1 $\mu\text{g}/\text{kg}$ Afla G2: < 1 $\mu\text{g}/\text{kg}$	10003612
Corn, mid level	Afla B1: 9.5 $\mu\text{g}/\text{kg}$ $\pm$ 3.5 $\mu\text{g}/\text{kg}$ Afla B2: 2.1 $\mu\text{g}/\text{kg}$ $\pm$ 0.7 $\mu\text{g}/\text{kg}$ Afla G1: < 1 $\mu\text{g}/\text{kg}$ Afla G2: < 1 $\mu\text{g}/\text{kg}$	10003613
Deoxynivalenol		
Corn, low level	660 $\mu\text{g}/\text{kg}$ $\pm$ 220 $\mu\text{g}/\text{kg}$	10003615
Corn, high level	1280 $\mu\text{g}/\text{kg}$ $\pm$ 372 $\mu\text{g}/\text{kg}$	10003617
Wheat, low level	1009 $\mu\text{g}/\text{kg}$ $\pm$ 250 $\mu\text{g}/\text{kg}$	10003618
Barley, high level	3463 $\mu\text{g}/\text{kg}$ $\pm$ 693 $\mu\text{g}/\text{kg}$	10003614
Fumonisin		
Corn, low level	FUM B1: 612 $\mu\text{g}/\text{kg}$ $\pm$ 174 $\mu\text{g}/\text{kg}$ FUM B2: 154 $\mu\text{g}/\text{kg}$ $\pm$ 30 $\mu\text{g}/\text{kg}$ FUM B3: 72 $\mu\text{g}/\text{kg}$ $\pm$ 18 $\mu\text{g}/\text{kg}$	10003620
Corn, mid level	FUM B1: 1008 $\mu\text{g}/\text{kg}$ $\pm$ 246 $\mu\text{g}/\text{kg}$ FUM B2: 260 $\mu\text{g}/\text{kg}$ $\pm$ 78 $\mu\text{g}/\text{kg}$ FUM B3: 102 $\mu\text{g}/\text{kg}$ $\pm$ 20 $\mu\text{g}/\text{kg}$	10003621
Corn, high level	FUM B1: 2013 $\mu\text{g}/\text{kg}$ $\pm$ 440 $\mu\text{g}/\text{kg}$ FUM B2: 519 $\mu\text{g}/\text{kg}$ $\pm$ 120 $\mu\text{g}/\text{kg}$ FUM B3: 258 $\mu\text{g}/\text{kg}$ $\pm$ 50 $\mu\text{g}/\text{kg}$	10003622
Zearalenone		
Corn, low level	62 $\mu\text{g}/\text{kg}$ $\pm$ 17 $\mu\text{g}/\text{kg}$	10003624
Corn, high level	174 $\mu\text{g}/\text{kg}$ $\pm$ 45 $\mu\text{g}/\text{kg}$	10003626
Multitoxin		
DON, FUM and ZON in Corn	DON: 1123 $\mu\text{g}/\text{kg}$ $\pm$ 252 $\mu\text{g}/\text{kg}$ FUM B1: 359 $\mu\text{g}/\text{kg}$ $\pm$ 72 $\mu\text{g}/\text{kg}$ FUM B2: 93 $\mu\text{g}/\text{kg}$ $\pm$ 18 $\mu\text{g}/\text{kg}$ FUM B3: 35 $\mu\text{g}/\text{kg}$ $\pm$ 10 $\mu\text{g}/\text{kg}$ ZON: 255 $\mu\text{g}/\text{kg}$ $\pm$ 66 $\mu\text{g}/\text{kg}$	10003627
Afla and FUM in corn, mid level	Afla B1: 12.04 $\mu\text{g}/\text{kg}$ $\pm$ 4.69 $\mu\text{g}/\text{kg}$ Afla B2: 0.99 $\mu\text{g}/\text{kg}$ $\pm$ 0.42 $\mu\text{g}/\text{kg}$ FUM B1: 2576 $\mu\text{g}/\text{kg}$ $\pm$ 933 $\mu\text{g}/\text{kg}$ FUM B2: 776 $\mu\text{g}/\text{kg}$ $\pm$ 258 $\mu\text{g}/\text{kg}$	10006527
DON and ZON in corn, mid level	DON: 1006 $\mu\text{g}/\text{kg}$ $\pm$ 176 $\mu\text{g}/\text{kg}$ ZON: 190 $\mu\text{g}/\text{kg}$ $\pm$ 40 $\mu\text{g}/\text{kg}$	10005531
DON and ZON in wheat, mid level	DON: 1560 $\mu\text{g}/\text{kg}$ $\pm$ 404 $\mu\text{g}/\text{kg}$ ZON: 85 $\mu\text{g}/\text{kg}$ $\pm$ 28 $\mu\text{g}/\text{kg}$	10005532
DON, ZON and OTA in Wheat	DON: 825 $\mu\text{g}/\text{kg}$ $\pm$ 248 $\mu\text{g}/\text{kg}$ ZON: 35 $\mu\text{g}/\text{kg}$ $\pm$ 12 $\mu\text{g}/\text{kg}$ OTA: 10 $\mu\text{g}/\text{kg}$ $\pm$ 4 $\mu\text{g}/\text{kg}$	10006460

\* These products represent naturally contaminated materials and have a limited supply. Subsequent product batches might have slightly different concentrations.