



ISO 17034

(Certified) Reference Materials

Biopure™ ISO 17034 Reference Materials fulfill all criteria that ISO 17025-accredited labs require for reference materials, including metrological traceability, stability and homogeneity.

What are ISO 17034 (Certified) Reference Materials?

Many labs, especially those with or aspiring to an ISO 17025-accreditation, need to demonstrate that the reference materials (RMs) they use meet minimum standards for traceability, stability and homogeneity. Furthermore, the degree of uncertainty must be clearly stated and the characterization of the RMs must be fully transparent.

ISO 17034 Certified Reference Materials (CRMs) are fully metrologically traceable in that their measurements of concentration and uncertainty relate to certified materials available on the market through an unbroken chain of comparisons with stated uncertainties; CRMs are furthermore well characterized by several competent analytical labs. This ensures that the certified value with uncertainty can be calculated with a high degree of reliability.

In the case of some mycotoxins, certified materials typically used to ensure such a high level of traceability are not available. Although these materials undergo the same rigorous process of characterization according to ISO 17034, they cannot be considered certified; these are simply called “ISO 17034 Reference Materials.”

Romer Labs offers ISO 17034 CRMs for the mycotoxins aflatoxin B1, aflatoxin B2, aflatoxin G1, aflatoxin G2, deoxynivalenol, zearalenone and ochratoxin A. ISO 17034 RMs include T-2 toxin, HT-2 toxin, nivalenol, fumonisin B1, fumonisin B2 and patulin.

All (certified) reference materials are available in 5 mL and 1 mL volumes.



Features and Benefits

- Certificate as stipulated by ISO 17034
- Purity of raw material assessed by accredited quantitative NMR method
- Proof of traceability/trueness
- Stated uncertainty
- Full transparency of production process
- Full transparency of product characterization
- Tested for homogeneity
- Tested for long-term and short-term stability



ISO 17034

(Certified) Reference Materials

Ordering Information

Item	Description	Volume	Item No.
Aflatoxin B1 (CRM)	2 µg/mL in acetonitrile	5 mL	10006701
Aflatoxin B1 (CRM)	2 µg/mL in acetonitrile	1 mL	10006702
Aflatoxin B2 (CRM)	0.5 µg/mL in acetonitrile	5 mL	10006703
Aflatoxin B2 (CRM)	0.5 µg/mL in acetonitrile	1 mL	10006704
Aflatoxin G1 (CRM)	2 µg/mL in acetonitrile	5 mL	10006705
Aflatoxin G1 (CRM)	2 µg/mL in acetonitrile	1 mL	10006706
Aflatoxin G2 (CRM)	0.5 µg/mL in acetonitrile	5 mL	10006707
Aflatoxin G2 (CRM)	0.5 µg/mL in acetonitrile	1 mL	10006708
T-2 Toxin (CRM)	100 µg/mL in acetonitrile	5 mL	10006709
T-2-Toxin (CRM)	100 µg/mL in acetonitrile	1 mL	10006710
HT-2 Toxin (CRM)	100 µg/mL in acetonitrile	5 mL	10006711
HT-2 Toxin (CRM)	100 µg/mL in acetonitrile	1 mL	10006712
Nivalenol (RM)	100 µg/mL in acetonitrile	5 mL	10006713
Nivalenol (RM)	100 µg/mL in acetonitrile	1 mL	10006714
Deoxynivalenol (CRM)	100 µg/mL in acetonitrile	5 mL	10006715
Deoxynivalenol (CRM)	100 µg/mL in acetonitrile	1 mL	10006716
Zearalenone (CRM)	100 µg/mL in acetonitrile	5 mL	10006717
Zearalenone (CRM)	100 µg/mL in acetonitrile	1 mL	10006718
Ochratoxin A (CRM)	10 µg/mL in acetonitrile	5 mL	10006719
Ochratoxin A (CRM)	10 µg/mL in acetonitrile	1 mL	10006720
Fumonisin B1 (RM)	50 µg/mL in acetonitrile/water	5 mL	10006723
Fumonisin B1 (RM)	50 µg/mL in acetonitrile/water	1 mL	10006721
Fumonisin B2 (RM)	50 µg/mL in acetonitrile/water	5 mL	10006722
Fumonisin B2 (RM)	50 µg/mL in acetonitrile/water	1 mL	10006724
Fumonisin B3 (RM)	50 µg/mL in acetonitrile/water	1 mL	10007356
Patulin (CRM)	100 µg/mL in acetonitrile	5 mL	10007040
Patulin (CRM)	100 µg/mL in acetonitrile	1 mL	10007041

CRM = ISO 17034 Certified Reference Material

RM = ISO 17034 Reference Material