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## MATERIAL SAFETY DATA SHEET

### Total Collagen assay

#### Product and Company identification

**Product Name** QuickZyme Total Collagen assay  
**Product number** QZBTOTCOL5

**Company** QuickZyme Biosciences B.V.  
Zernikedreef 9, 2333 CK Leiden  
The Netherlands

**Telephone Number** +31 88 8666024/114  
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#### Health hazard information

##### Information on ingredients

**Product Name** QuickZyme Total collagen Assay  
**CAS #** none  
**EC no** none  
**Annex I Index Number** none

The hazards identified with this kit are those associated with the following substances. For additional information, please refer to the individual material safety data sheet(s).

Kit Components: 5x the following components:

Component	Description	Volume (x5)	Safety Information
Assaybuffer	Chloramine T in 1-propanol/aqueous buffer	9 ml	See MSDS (References below)
Perchloric acid/Isopropanol Solution	PCA/IPA solution	6 ml	See MSDS (References below)
DMBA Concentrate	DMBA in DMSO	2x 1,75 ml	See MSDS (References below)
Collagen Standard	Collagen in 0,02 M HAc	0.3 ml	No hazardous or toxic properties known

#### Handling and storage

**Storage** Store at Room Temperature

#### Transport information

**RID/ADR** Non-hazardous for road transport  
**IMDG** Non-hazardous for sea transport  
**IATA** Non-hazardous for air transport  
**Special provisions for transport** Not applicable

## Other regulatory information

**Caution:** Substance not fully tested (EU)

## Other information

### Warranty

The information above is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Users should make their own investigations to determine the suitability of the information for their particulate purposes. In no event shall QuickZyme be held liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, resulting from handling or from contact with the above product.

### Disclaimer

For research use only.

### References

MSDS Cloramin T <http://quickzyme.com/products/total-collagen-assay> (MSDS 1)

MSDS 4-(Dimethylamino)benzaldehyde <http://quickzyme.com/products/total-collagen-assay> (MSDS 2)

MSDS Dimethyl sulfoxide <http://quickzyme.com/products/total-collagen-assay> (MSDS 3)

MSDS 1-Propanol <http://quickzyme.com/products/total-collagen-assay> (MSDS 4)

MSDS Perchloric acid 60% <http://quickzyme.com/products/total-collagen-assay> (MSDS 5)

### Created

01/03/2013