

## SAFETY DATA SHEET

Version 8.1  
Revision Date 03/28/2020  
Print Date 11/20/2020**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name : QuantiPro™ BCA Assay Kit

Product Number : QPBCA  
Brand : Sigma**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Synthesis of substances

**1.3 Details of the supplier of the safety data sheet**Company : Sigma-Aldrich Inc.  
3050 Spruce Street  
ST. LOUIS MO 63103  
UNITED STATESTelephone : +1 314 771-5765  
Fax : +1 800 325-5052**1.4 Emergency telephone number**Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-  
527-3887 CHEMTREC (International) 24  
Hours/day; 7 Days/week

This is a summary MSDS for a kit. For the full MSDS for each of the components listed in section 16 please visit our website.

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**Short-term (acute) aquatic hazard (Category 1), H400  
Long-term (chronic) aquatic hazard (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram



Signal word : Warning

Hazard statement(s)  
H410 : Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)	
P273	Avoid release to the environment.
P391	Collect spillage.
P501	Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

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#### SECTION 3: Composition/information on ingredients

Refer to component MSDS

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#### SECTION 4: First aid measures

Refer to component MSDS

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#### SECTION 5: Firefighting measures

Refer to component MSDS

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#### SECTION 6: Accidental release measures

Refer to component MSDS

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#### SECTION 7: Handling and storage

##### 7.1 Precautions for safe handling

For precautions see section 2.2.

##### 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature 2 - 8 °C

Storage class (TRGS 510): 12: Non Combustible Liquids

##### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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#### SECTION 8: Exposure controls/personal protection

Refer to component MSDS

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#### SECTION 9: Physical and chemical properties

Refer to component MSDS

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**SECTION 10: Stability and reactivity**

Refer to component MSDS

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**SECTION 11: Toxicological information**

Refer to component MSDS

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**SECTION 12: Ecological information**

Refer to component MSDS

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**SECTION 13: Disposal considerations**

Refer to component MSDS

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**SECTION 14: Transport information****DOT (US)**

UN number: 3082 Class: 9 Packing group: III  
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Copper sulphate pentahydrate)  
• Marine pollutant: yes Poison Inhalation Hazard: No

**IMDG**

UN number: 3082 Class: 9 Packing group: III EMS-No: F-A, S-F  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Copper sulphate pentahydrate)  
Marine pollutant : yes

**IATA**

UN number: 3082 Class: 9 Packing group: III  
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Copper sulphate pentahydrate)

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**SECTION 15: Regulatory information****SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

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**SECTION 16: Other information****Kit Components:**

QuantiPro™ BCA QB	Sigma	M3685	
QuantiPro™ Buffer QA	Sigma	M3810	Skin Irrit. 2; Eye Irrit. 2A; H315, H319

Protein standard	Sigma-Aldrich	P0914	
Copper(II) sulfate solution	SIGALD	C2284	Aquatic Acute 1; Aquatic Chronic 1; H410

**Further information**

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**Kit Components:**

<b>QuantiPro™ BCA QB</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - M3685					Not a hazardous substance or mixture.

<b>QuantiPro™ Buffer QA</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma - M3810		Warning	Causes skin irritation. Causes serious eye irritation.	Wash skin thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water. Wear protective gloves/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.	

<b>Protein standard</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
Sigma-Aldrich - P0914					Not a hazardous substance or mixture.

<b>Copper(II) sulfate solution</b>					
Product identifier	Pictogram	Signal word	Hazard statements	Precautionary statements	Supplemental information
SIGALD - C2284		Warning	Very toxic to aquatic life with long lasting effects.	Avoid release to the environment. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.	