

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** QBC Standard Venous Test Kit

**Catalog Number:** 424240 and 424237

**Product use Description:**

For hematology determinations with Venous blood using QBC series Analyzer. For *In Vitro* Diagnostics use

**Manufacturer:** Drucker Diagnostics  
200 Shady Lane Suite 170  
Philipsburg, PA 16866 USA  
Telephone (814) 692-7661

**In case of an emergency, spill, fire, exposure, or accident contact:**

Drucker Diagnostics Technical Support  
866-265-1486

**2. HAZARDS IDENTIFICATION**

**Classifications:**

Specific Target Organ Toxicity (Repeated Exposure) – Category 2  
Skin Irritation – Category 3  
Eye Irritation – Category 2B  
Germ Cell Mutagenicity- Category 1B



**Health Statements:**

H302/H312/H332 Harmful by inhalation, in contact with skin and if swallowed.  
H313 May be harmful in contact with skin  
H315/H320/H335 Irritating to eyes, respiratory system and skin  
H333 May be harmful if inhaled  
H318 May cause serious eye damage  
H373 May cause damage to organs through prolonged or repeated exposure

**Precautionary Statements:**

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P262	Avoid contact with skin and eyes
P305+351+338	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
P28	Wear protective gloves/protective clothing/eye protection/face protection
P314	In case of accident or if you feel unwell seek medical attention immediately, (show the label where possible)

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Mixture of the substances listed below with nonhazardous additions.

Hazardous Ingredients ( <i>specific</i> )	CAS #	%
Potassium Oxalate	583-52-8	92%
Sodium Chloride	7647-14-5	1.2%
Acridine Orange	10127-02-3	1.4%

**4. FIRST-AID MEASURES**

<b>Inhalation</b>	IF INHALED, supply fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.
<b>Skin Contact</b>	IF ON SKIN, immediately wash with soap and water and rinse thoroughly.
<b>Eye Contact</b>	IF IN EYES, rinse the open eye with water for 15 minutes. Seek medical attention if irritation develops.
<b>Ingestion</b>	IF SWALLOWED, immediately seek medical attention.

**5. FIRE-FIGHTING MEASURES**
**Flammability Summary**

Product is not known to be flammable, combustible, pyrophoric, or explosive.

**Suitable Extinguishing Agents**

CO<sub>2</sub>, ABC Multipurpose Dry Chemical or Water Spray  
 Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable Extinguishing Agents**

Not Applicable

**Protective Equipment**

Not Applicable

**6. ACCIDENTAL RELEASE MEASURES**
**Personal Protection for Emergency Situations**

Use the personal protection equipment recommended in Section 8.

**Measures for Environmental Protection**

Wipe up with a damp sponge or mop.

**Measures for Cleaning/Collecting**

Use personal protection equipment recommended in Section 8 and be cautious if there is broken glass present. Use internal policy for cleaning-up and disposing of chemical contaminated sharps.

Refer to Section 13 for specific disposal information.

**7. HANDLING AND STORAGE**
**Handling**
**Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

**Information about protection against explosion and fires:**

No special measures required.

**Storage**
**Requirements to be met by storerooms and receptacles:**

No special requirements

**Information about storage in one common storage facility:**

Store away from oxidizing agents

**Further information about storage conditions:**

None.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**
**Exposure Guidelines:**

Component	CAS #*	Type*:	Value*
Potassium Oxalate	583-52-8	LD <sub>50</sub> Oral	10-30 g (Adult)
Sodium Chloride	7647-14-5	LD <sub>50</sub> Oral	3g/kg ( Rat )
		LD <sub>50</sub> Dermal	10g/kg ( Rabbit )
		LC <sub>50</sub> Inhalation	42g/m <sup>3</sup> ( Rat ) 1 h
Acridine Orange	10127-02-3	PEL	N/A

\*This Information was taken from the MSDS' of the individual chemicals

**Personal Protective Equipment**


<b>Respiratory Protection</b>	Not necessary
<b>Hand Protection</b>	Chemical resistant gloves (i.e. nitrile)
<b>Eye Protection</b>	Safety glasses or face shield
<b>Body Protection</b>	Protective work clothing (i.e. lab coat)

**When the product is used as directed with human blood:**

Use appropriate personal protection equipment as instructed in an internal blood borne pathogen exposure control plan.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form</b>	Solid
<b>Color</b>	Orange/White
<b>Odor</b>	Characteristic
<b>Melting Point</b>	Undetermined
<b>Boiling Point</b>	Undetermined
<b>Flash Point</b>	Not Applicable
<b>Flammability</b>	Product is not flammable
<b>Danger of Explosion</b>	Product does not present an explosion hazard
<b>Density</b>	Undetermined
<b>Solubility</b>	
<b>In Water</b>	Soluble
<b>pH</b>	Not Applicable
<b>Solvent Contents</b>	0.0%
<b>Solids Contents</b>	100%

**10. STABILITY AND REACTIVITY**

**Thermal Decomposition**

No decomposition if used according to specifications

**Conditions to Avoid**

None if used according to specifications

**Dangerous Reactions**

No dangerous reactions known

**Dangerous Products of Decomposition**

Carbon Monoxide (CO) and Carbon Dioxide (CO<sub>2</sub>)

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity</b>	No acute toxicity effects known
<b>Skin irritation/corrosion</b>	May cause skin irritation or burns
<b>Eye damage/irritation</b>	May cause eye irritation or burns
<b>Respiratory or skin sensitization</b>	No sensitizing effects known
<b>Reproductive cell mutagenicity</b>	Contains mutagen*

Subchronic Data – Acridine Orange\*

Bacteria Mutation: 10 mmol/L

DNA Damage Rodent-mouse ascites tumor: 20 µmol/L

DNA Adduct –fish, salmon sperm: 40 nmol/L

\*This information was taken from the MSDS of acridine orange

<b>Carcinogenicity</b>	No carcinogenic effects known
<b>Reproductive Toxicity</b>	No reproductive toxicity effects known
<b>Specific Target Organ Toxicity</b>	
<b>Single Exposure</b>	No toxicity effects known
<b>Repeated Exposure</b>	Target Organs: Blood, liver, kidney, respiratory system and skin
<b>Aspiration Hazard</b>	No aspiration hazards known

## 12. ECOLOGICAL INFORMATION

The ecological effects have not been thoroughly investigated, but currently none have been identified.

Water Hazard Class 1 (Self-Assessment): slightly hazardous for water

## 13. DISPOSAL CONSIDERATIONS

### Disposal of Product

This product is not considered a RCRA hazardous waste  
Dispose of materials in accordance with federal, state and local requirements.

Product used with human blood as directed should be disposed of according to internal medical waste/sharps disposal requirements.

### Disposal of Uncleaned Packaging

Dispose of materials in accordance with federal, state and local requirements.

## 14. TRANSPORT INFORMATION

*It is the determination of Drucker Diagnostics, Inc. that the product does not meet the basic description of a Hazardous Material or Dangerous Good under the DOT, IATA or IMDG transportation regulations.*

*This product contains minimal amounts of toxic solids. The device is formed to a specific shape and the toxic materials are sprayed onto the glass. Due to the design during manufacturing and that the device must be used in whole during end use, the device does not release or otherwise result in exposure to hazardous chemical under normal conditions of use and transport.*

### DOT Regulations

Hazard Class            Not Applicable

### Land Transport ARD/RID

Hazard Class            Not Applicable

**Maritime transport IMDG**

Hazard Class            Not Applicable  
Marine Pollutant        No

**Air Transport ICAO-TI and IATA-DGR**

Hazard Class            Not Applicable

**15. REGULATORY INFORMATION**

**EPCRA Section 313 (Extremely Hazardous Substances)**

26628-2-28    Sodium Azide  
67-63-0        Isopropanol

**TSCA (Toxic Substances Control Act)**

583528        Potassium Oxalate  
67630         Isopropanol

**California Proposition 65 – Section A – Chemicals Known to Cause Cancer**

None of the ingredients listed

**California Proposition 65 – Section B – Chemicals Known to Cause Reproductive Toxicity**

None of the ingredients listed

**IARC (International Agency for Research on Cancer)**

67630         Isopropanol (Group 3)

**NTP (National Toxicology Program)**

None of the ingredients listed

**16. OTHER INFORMATION**

*To the best of our knowledge, the information contained herein is accurate. However, neither Drucker Diagnostics, Inc. or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

**Issue By: Drucker Diagnostics Quality Department**

**Prepared Date:** 24 April 2017

**Contact:** Technical Service Representative