



DIAGNOSTIC AUTOMATION, INC.

21250 Califa Street, Suite 102 and 116, Woodland Hills, CA 91367

Tel: (818) 591-3030 Fax: (818) 591-8383

onestep@rapidtest.com

technicalsupport@rapidtest.com

www.rapidtest.com

MATERIAL SAFETY DATA SHEET

SHBG

IDENTIFICATION OF THE PREPARATION AND COMPANY NAME.

Supplier: Diagnostic Automation Inc.
21250 Califa Street, Suite 102 and 116,
Woodland Hills, CA 91367 USA

Emergency Telephone number: Please contact the local hospitals.

Product Name: SHBG ELISA
Catalog No: 2043-6
Intended use: For the determination of sex-hormone-binding globulin (SHBG) in serum order Plasma.

Composition/Product Components

Complete composition of the kit

- **Breakapart Wells.** 96 wells on a plate coated with mouse monoclonal SHBG antibody.
- **Assay Buffer,** 1 x 80 ml. Preservative: 0,05 % Thimerosal, 0,02 % Gentamicin
- **SHBG Standards and Control.** 6 vials, 0.5 ml. Calibrated against human SHBG, WHO Standard (NIBSC 95/560). The standard values are about 0, 4, 16, 65 and 260 nmol/l. **Preservative:** 0,01 % Thimerosal, 0,09 % Gentamicin

- **Conjugate**, 14 ml Mouse monoclonal SHBG antibody conjugated with horseradish peroxidase. **Preservative:** 0,02 % Thimerosal, 0,09 % Gentamicin
- **Wash solution** concentrate, 25 ml TBS with Tween 20 and NaCL. **Preservative:** 0,09 % Thimerosal,
- **TMB Substrate Solution**, 14 ml vial with H₂O₂ and TMB.
- **Stop Solution**, 14 ml. 0.5 M H₂SO₄

Hazardous components

These products contain chemical substances supplied in small quantities. In the form supplied, they are not classified as dangerous within the meaning of the definitions of the Council of European Communities Directive 67/648 EEC and subsequent amendments.

TMB-Substrate: the vial contain 12 ml H₂O₂ solution with TMB.. (avoid any skin contact)

Stop solution: the vial contains 12ml 0.5 mol/L sulfuric acid. Avoid contact with eyes and skin.

Hazardous components

No need for declaration below 0.1%

Possible Hazards

- Designation of Hazards
- No declarations required

First-Aid-Steps

Inhalation: Remove from source of exposure. If irritation or signs of toxicity occur, seek medical attention.

Skin Contact: Remove from source of exposure. Wash affected area with soap and water. If irritation or signs of toxicity occur, seek medical attention

Eye Contact: Remove from source of exposure. Wash with copious amounts of water. If irritation

or signs of toxicity occur, seek medical attention.

Ingestion: If irritation or signs of toxicity occur, seek medical attention.

Fire and Explosion Hazard Data

Generally. Aqueous solutions – non-flammable

Extinguishing Media:

- Water Spray
- Foam
- CO₂
- Dry Chemical

Special protection in case of fire-fighting is generally recommended.

Accidental Release/Spillage

Personal Precautions

Wear protective clothes, remove unprotected persons

Environmental precautions

Test can be thrown away in regular household garbage

Procedures for cleaning/uptake

No special actions needed

Handling and Storage

Handling

- Open vials carefully
- Avoid deposition of dust
- Keep away from flammable goods

Storage

- Do not store together with flammable goods
- Do not store above +60°C

Exposure control and personal protection

No hazardous compounds above the permitted limits are used

Personal Protection Hands

Gloves (rubber, latex)

Eyes

Protective Lab Glasses

Body

Laboratory clothes

Physical & Chemical Properties

handle with care chromogen, substrate and blocking reagent. Avoid any contacts of these reagents with oxidizing agents or metallic surfaces.

Safety relevant data

- pH: app. 7, except the Stopping Solution which has a pH of <2.
- Boiling point: 105 °C Density: 1.05 g/cm³
- Non flammable
- Not explosive

Stability and Reactivity Conditions to be avoided

Heating up, Drying

Compounds to be omitted

Strong Acids

Further data

Hazardous decomposition products during burning possible

Toxicology Data

No data required

Ecology Data

No data required

Data for Disposal

No special precautions necessary

Transport information

None required

Rules

No data required

Further data

The given information is based on the current state of knowledge but does not guaranty product performances und cannot be used as basis for legal disputes. Datasheet in accordance with 91/155/EWG

Department issuing MSDS: Product Management

Date Adopted	2016-05-20
REF 2043-6	DA-SHBG



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