

SECTION 1: Identification

1.1 Product Identification

Product Name: Microplate Assay for GSH/GSSG (Reduced/Oxidized Glutathione)
Product Number: GT40
Brand: Oxford Biomedical Research, Inc.

1.2 Supplier

Company: Oxford Biomedical Research, Inc.
PO Box 522
Oxford, MI 48371
USA
Contact: 248-852-8815
info@oxfordbiomed.com

1.3 Relevant Uses

Identified uses: Measurement of reduced and oxidized glutathione in biological samples.

1.4 Emergency Contact Number

Contact: 248-852-8815

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label or Precautionary Statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified

None

SECTION 3: Composition/Information on Ingredients

3.1 Substances

GT40a Assay Buffer, 100ml
GT40b GSSG Standard, 0.5ml

GT40c Thiol Scavenger, 3ml
GT40d DTNB (5,5'-dithiobis-2-nitrobenzoic acid) Color Reagent, 1 Vial
GT40e 5% Metaphosphoric Acid, 20ml
GT40f Recombinant Glutathione Reductase Enzyme, 35ul
GT40g NAPHP (Nicotinamide adenine dinucleotide phosphate), 1 Vial

SECTION 4: First Aid Measures

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects: acute or delayed

No data available.

4.3 Recommendations for immediate medical care or special treatment

No data available.

SECTION 5: Fire-Fighting Measures

5.1 Extinguishing media

Use water spray, dry chemical, or carbon dioxide

5.2 Special hazards

No data available.

SECTION 6: Accidental Release Measures

6.1 Personal precautions and personal protective equipment

Standard laboratory personal protective equipment should be utilized.

6.2 Environmental precautions

No special environmental precautions are required.

6.3 Methods for containment and clean up

Wipe with absorbent material and dispose of in suitable container.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Follow standard Good Laboratory Practices while using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Recommended storage temperature is -20C for GT35f and GT35g. All other reagents can be stored at 4C.

SECTION 8: Exposure Controls/Personal Protection

8.1 OSHA Permissible Exposure Limits

Contains no substances with occupational exposure limits.

8.2 Exposure controls

Follow standard Good Laboratory Practices while using this product.

8.3 Personal Protective Equipment

Eye/face protection

Use eye protection approved by NIOSH or EN166.

Skin protection

Handle with gloves. Use proper glove removal technique to avoid skin contact. Gloves should be disposed of after use according to standard Good Laboratory Practices. Wash hands after use.

Body protection

Wear a lab coat in accordance to standard Good Laboratory Practices.

Respiratory protection

Respiratory protection is not required.

Control of environmental exposure

No special environmental precautions are required.

SECTION 9: Physical and Chemical Properties

Water soluble

SECTION 10: Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

No data available

SECTION 11: Toxicological Information

11.1 Toxicity

Acute toxicity

No data available

Skin irritation

No data available

Serious eye damage or irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen.

Reproductive toxicity

No data available

Specific target organ toxicity

No data available

Aspiration hazard

No data available

SECTION 12: Ecological Information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulation potential

No data available

12.4 Mobility in Soil

No data available

12.5 Other adverse effects

No data available

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Dispose of product with a licensed disposal company.

SECTION 14: Transport Information

14.1 US DOT Not dangerous goods

14.2 IMDG Not dangerous goods

14.3 IATA Not dangerous goods

SECTION 15: Regulatory Information

No known regulatory requirements.

SECTION 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

Revision date: 1-31-20