Oxford Biomedical Research
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Safety Data Sheet

Product Number:	GF10
Product Name:	Total Human MIC-1/NAG-1/GDF-15 ELISA
Revision:	220406

1.1 Product Identification

Product Name:	GF10 Assay Buffer
Product Number:	GF10
Brand:	Oxford Biomedical Research

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:	Research Assay

1.4 Emergency Contact Number

Contact:	248-852-8815

2.1 Classification of the substance or mixture

Acute Toxicity Oral (category 2), Acute Toxicity Inhalation (category 2), Acute Toxicity Dermal (category 1), Specific Target Organ Toxicity: Repeated Exposure (category 2), Short Term Acute Aquatic Hazard (category 1), Long Term Chronic Aquatic Hazard (category 1)

2.2 GHS Label or Precautionary Statements

Fatal if swallowed, in contact with skin, or if inhaled. May cause damage to organs through prolonged or repeated exposure, very toxic to aquatic life with long lasting effects.

2.3 Hazards not otherwise classified

None

3.1 Substances: Assay Buffer (100mL)

Thimerosal	Acute Tox. 2; Acute Tox. 1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H300, H330, H310, H373, H400, H410

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Call a physician immediately

In case of skin contact

Wash off with soap and plenty of water. Take off all contaminated clothing. Call a physician immediately.

In case of eye contact

Flush eyes with water as a precaution. Remove contact lenses. Call an ophthalmologist.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention immediately. Induce vomiting if the person is wide-awake and full conscious. Administer activated charcoal and consult a doctor as quickly as possible.

4.2 Most important symptoms and effects: acute or delayed

The most important symptoms/effects are listed in section 2 and 11

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1	**Extinguishing media**	Use water foam carbon dioxide, dry powder, alcohol resistant foam
5.2	**Special hazards**	Hydrogen chloride gas, Sodium oxides, ambient fire may liberate hazardous vapors, potassium oxides, oxides of phosphorus, carbon oxides, sulfur oxides, mercury/mercury oxides

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**	Do not let the product enter drains
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. Do not inhale mixture

7.2	**Conditions for safe storage, including any incompatibilities**	Keep container tightly closed. Recommended storage temperature is 4°C.

SECTION 8: Exposure Controls/Personal Protection

8.1	**OSHA Permissible Exposure Limits**	
	Thimerosal	Value: TWA Control Parameters: 0.1mg/m3
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	Do not let product enter drains

SECTION 9: Physical and Chemical Properties

Appearance	Clear to slight yellow Liquid
Odor	Odorless/slight
Flammability	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	Not applicable
Freezing Point	No data available

Solubility	No data available
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10: Stability and Reactivity

10.1	**Reactivity**	May form explosive mixture with air on intense heating
10.2	**Chemical Stability**	Stable under recommended storage conditions
10.3	**Possibility of hazardous reactions**	Violent reaction possible with strong oxidizing agents, acids, bases, antipyrine, acetates, alkali metals,

SECTION 11: Toxicological Information

11.1 Toxicity

Acute toxicity

Thimerosal	Acute Toxicity oral and dermal estimate: 5.1mg/kg
Potassium Chloride	Acute Toxicity oral estimate: 3020mg/kg

Skin irritation	No data available
Serious eye damage or irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No mutagenic effects
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	Oral- may cause damage to organs through prolonged or repeated exposure: Kidney
	Aspiration hazard	No data available

SECTION 12: Ecological Information

12.1	**Toxicity**	Toxicity to fish, daphnia and other aquatic invertebrates, algae, and bacteria.
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**	Biological effects: Hazard for drinking water supplies, discharge into the environment must be avoided.

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: 4-12-22

1.1 Product Identification

Product Name:	GF10 10x Wash Buffer
Product Number:	GF10
Brand:	Oxford Biomedical Research

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:	Research Assay

1.4 Emergency Contact Number

Contact:	248-852-8815

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

3.1 Substances: GF10 10X Wash Buffer (30mL)

According to applicable regulations no components need to be disclosed.

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air.

In case of skin contact

Wash off with soap and plenty of water. Take off all contaminated clothing.

In case of eye contact

Flush eyes with plenty of water. Remove contact lenses.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor if feeling unwell.

4.2 **Most important symptoms and effects: acute or delayed**
The most important symptoms/effects are listed in section 2 and 11

4.3 **Recommendations for immediate medical care or special treatment**
Treat symptomatically

5.1	**Extinguishing media**	Use water spray, alcohol resistant foam, or carbon dioxide
5.2	**Special hazards**	Hydrogen chloride gas, sodium oxides, carbon oxides, ambient fire may liberate hazardous vapors, fire may cause evolution of nitrogen oxides

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**	Do not let product enter drains
6.3	**Methods for containment and clean up**	Cover drains. 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 container tightly closed. Recommended storage temperature is 4°C.

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	Do not let product enter drains

SECTION 9: Physical and Chemical Properties

Appearance	Colorless/slight yellow Liquid
Odor	Odorless/slight
Flammability	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	Not applicable
Freezing Point	No data available
Solubility	Soluble in water
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available

	Decomposition Temperature	No data available
	Viscosity	No data available

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**	Violent reactions possible with oxidizing agents, bases, alkali metals

SECTION 11: Toxicological Information

11.1	**Toxicity**	
	Acute toxicity	No data available
	Skin irritation	No skin irritation
	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**	Toxicity to bacteria, fish, algae, daphnia, and other aquatic invertebrates.
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**	Discharge into the environment must be avoided.

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: 4-14-22

1.1 Product Identification

Product Name:	K-Blue Substrate TMB
Product Number:	GF10
Brand:	Oxford Biomedical Research

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:	Research Assay

1.4 Emergency Contact Number

Contact:	248-852-8815

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

Contains oxidizing substances at <0.5%

3.1 Substances: GF10 TMB Substrate (15mL)

2-Pyrrolidinone	Eye Irrit. 2: H319
Urea Hydrogen Peroxide	Ox. Sol. 3: H272; Skin Corr. 1B: H314; Eye Dam. 1: H318

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Seek medical attention if symptoms persist.

In case of skin contact

Wash off with soap and plenty of water. Remove contaminated clothing. Seek medical attention if symptoms persist.

In case of eye contact

Flush eyes with plenty of water. Remove contact lenses. Seek medical attention if symptoms persist.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not induce vomiting unless told to do so by poison control or a doctor. Get medical attention if you feel unwell.

4.2 **Most important symptoms and effects: acute or delayed**
The most important symptoms/effects are listed in section 2 and 11

4.3 **Recommendations for immediate medical care or special treatment**
Treat symptomatically

5.1	**Extinguishing media**	Use water spray, dry chemical, or carbon dioxide
5.2	**Special hazards**	Do not allow the undiluted product to be released to the ground water, water course, or sewage system. Contains oxidizing substances at <0.5%.

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**	Prevent further spillage if safe. Clean spillage with plenty of water. Do not flush into surface water. Do not let the product contaminate the subsoil.
6.3	**Methods for containment and clean up**	Wipe with absorbent material and dispose of in suitable container. Do not contaminate water by cleaning of equipment or disposal of wastes.

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 in amber bottle tightly closed. Recommended storage temperature is 4°C. Avoid direct exposure to sunlight

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	Do not let the product contaminate the subsoil or be released into the environment.

SECTION 9: Physical and Chemical Properties

Appearance	Clear, to light blue liquid
Odor	Characteristic
Flammability	Not applicable
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	3.1-3.5
Relative Density	No data available
Melting Point	No data available
Freezing Point	No data available

Solubility	Soluble in water
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10: Stability and Reactivity

10.1	**Reactivity**	Stable under normal conditions
10.2	**Chemical Stability**	Stable under recommended storage conditions
10.3	**Possibility of hazardous reactions**	No hazardous reactions known if used as intended.

SECTION 11: Toxicological Information

11.1 Toxicity

Acute toxicity	Based on available data classification criteria are not met. However this product does contain substances that are classified as hazardous.
Skin irritation	May cause irritation to skin
Serious eye damage or irritation	May cause irritation to eyes
Respiratory or skin sensitization	May cause allergic reactions in susceptible people
Germ cell mutagenicity	No mutagenic effects
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 teratogenic effects reported

	Specific target organ toxicity	May cause allergy or asthma symptoms or breathing difficulties if inhaled
	Aspiration hazard	No significant hazard

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**	Specific test data not 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: 4-20-22

1.1 Product Identification

Product Name:	GF10 Standard
Product Number:	GF10
Brand:	Oxford Biomedical Research

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:	Research Assay

1.4 Emergency Contact Number

Contact:	248-852-8815

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

Human source material

3.1 Substances: GF10 Standard (60µL)

Glycerine	<=100%

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. Remove contaminated clothing

In case of eye contact

Flush eyes with plenty of water. Remove contact lenses

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult doctor if feeling unwell.

4.2 Most important symptoms and effects: acute or delayed

The most important symptoms/effects are listed in section 2 and 11

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1	**Extinguishing media**	Use alcohol resistant foam, dry chemical, or carbon dioxide
5.2	**Special hazards**	Oxides of phosphorus, potassium oxides, sodium oxides, hydrogen chloride gas, carbon oxides, ambient fire may liberate hazardous vapors.

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**	Do not let product enter drains
6.3	**Methods for containment and clean up**	Wipe with absorbent material and dispose of in suitable container. Cover drains

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 container tightly closed. Recommended storage temperature is -80°C.

SECTION 8: Exposure Controls/Personal Protection

8.1	**OSHA Permissible Exposure Limits**	
	Glycerine	Value: TWA Control Parameters: 5mg/m3
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	Do not let the product enter drains

SECTION 9: Physical and Chemical Properties

Appearance	Clear liquid
Odor	Odorless/slight
Flammability	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	No data available
Freezing Point	No data available
Solubility	No data available
Boiling Point	No data available

Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

SECTION 10: Stability and Reactivity

10.1	**Reactivity**	Forms explosive mixture with the air upon intense heating.
10.2	**Chemical Stability**	Stable under recommended storage conditions
10.3	**Possibility of hazardous reactions**	Violent reactions possible with strong oxidizing agents, acids, alkali metals, acetates

SECTION 11: Toxicological Information

11.1 Toxicity

Acute toxicity

Glycerine	Oral-27200mg/kg
Potassium Chloride	Oral-3020mg/kg
Sodium Phosphate dibasic	Oral-2500mg/kg
Potassium Phosphate monobasic	Oral-2500mg/kg

Skin irritation	No known skin irritation
Serious eye damage or irritation	No known eye irritation
Respiratory or skin sensitization	No known respiratory irritation
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**	Toxicity to fish, algae, bacteria, daphnia, and other aquatic invertebrates.
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**	Discharge into the environment must be avoided

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: 4-20-22

1.1 Product Identification

Product Name:	GF10 HRP Conjugate
Product Number:	GF10
Brand:	Oxford Biomedical Research

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: Research Assay

1.4 Emergency Contact Number

Contact: 248-852-8815

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

3.1 Substances: GF10 HRP (130µL)

No components need to be disclosed according to the applicable regulations

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. Remove contaminated clothing

In case of eye contact

Flush eyes with plenty of water. Remove contact lenses

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water (no more than 2 glasses). Consult doctor if feeling unwell.

4.2 Most important symptoms and effects: acute or delayed

The most important symptoms/effects are listed in section 2 and 11

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1	**Extinguishing media**	Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide
5.2	**Special hazards**	Oxides of phosphorus, hydrogen chloride gas, potassium oxides, sodium oxides, mixture with combustible ingredients, fire may cause development of hazardous vapors.

SECTION 6: Accidental Release Measures

6.1	**Personal precautions and personal protective equipment**	Standard laboratory personal protective equipment should be utilized. Avoid breathing vapors, mist or gas.
6.2	**Environmental precautions**	Do not let product enter drains
6.3	**Methods for containment and clean up**	Wipe with absorbent material and dispose of in suitable container. Cover drains

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 container tightly closed. Recommended storage temperature is -80°C.

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. Change any contaminated clothing
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	Do not let the product enter drains

SECTION 9: Physical and Chemical Properties

Appearance	Clear liquid
Odor	Odorless/slight
Flammability	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	No data available
Freezing Point	No data available
Solubility	No data available
Boiling Point	No data available

	Flash Point	No data available
	Evaporation Rate:	No data available
	Auto-ignition Temperature	No data available
	Decomposition Temperature	No data available
	Viscosity	No data available

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**	Risk of explosion/exothermic reaction with alkali metals. Incompatible with strong oxidizing agents

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: 4-21-22

1.1 Product Identification

Product Name:	GF10 Detection Antibody
Product Number:	GF10
Brand:	Oxford Biomedical Research

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: Research Assay

1.4 Emergency Contact Number

Contact: 248-852-8815

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

3.1 Substances: GF10 Detection Antibody (130µL)

Glycerol	> = 30 - < 50

4.1 Description of first aid measures

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water. Remove contaminated clothing. Consult a physician

In case of eye contact

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses. Consult a physician

If swallowed

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

4.2 Most important symptoms and effects: acute or delayed

The most important symptoms/effects are listed in section 2 and 11

4.3 Recommendations for immediate medical care or special treatment

Treat symptomatically

5.1	**Extinguishing media**	Use water spray, alcohol resistant foam, dry chemical, or carbon dioxide
5.2	**Special hazards**	Carbon oxides, oxides of phosphorus, sodium oxides.

SECTION 6: Accidental Release Measures

6.1	**Personal precautions and personal protective equipment**	Standard laboratory personal protective equipment should be utilized. Ensure adequate ventilation. Avoid breathing vapors, mist or gas.
6.2	**Environmental precautions**	Do not let product enter drains
6.3	**Methods for containment and clean up**	Wipe with inert 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. Avoid contact with skin and eyes. Avoid inhalation of vapors or mist
7.2	**Conditions for safe storage, including any incompatibilities**	Keep container tightly closed. Recommended storage temperature is -80°C.

SECTION 8: Exposure Controls/Personal Protection

8.1	**OSHA Permissible Exposure Limits**	
	Glycerol	Value: TWA Control Parameters: 5mg/m3 – 15mg/m3
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	Do not let the product enter drains

SECTION 9: Physical and Chemical Properties

Appearance	liquid
Odor	No data available
Flammability	No data available
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	No data available
Relative Density	No data available
Melting Point	No data available
Freezing Point	No data available

Solubility	No data available
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate:	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available

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.

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