
MATERIAL SAFETY DATA SHEET**Product name:****Catalog number:**

Adipoq (Mouse) ELISA Kit

KA0018

1. Composition/Information on Ingredients

Component	Size
Antibody coated Microtiter Strips	96 wells
Conjugate Solution	13 ml
Master Standards	2 vials
Quality Control HIGH	2 vials
Quality Control LOW	2 vials
Dilution Buffer Conc. (10x)	22 ml
Wash Solution Conc. (10x)	100 ml
Substrate Solution	13 ml
Stop Solution	13 ml

2. Hazards IdentificationKnown Hazardous ComponentsCAS NumberPercent

2-methyl-4-isothiazolin-3-one:

2682-20-4

Conjugate Solution

0.02 %

Substrate Solution

0.02 %

Known Hazardous ComponentsCAS NumberPercent

5-Bromo-5-nitro-1,3-dioxane:

30007-47-7

Conjugate Solution

0.02%

Known Hazardous ComponentsCAS NumberPercent

5-Chloro-2-methyl-4-isothiazolin-3-one:

26172-55-4

Substrate Solution

< 0.001 %

Known Hazardous ComponentsCAS NumberPercent

Thimerosal:

54-64-8

Dilution Buffer Conc. (10x)

0.05 %

Wash Solution Conc. (10x)		0.05 %
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<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
3,3',5,5'-Tetramethylbenzidine:	54827-17-7	
Substrate Solution		0.036 %

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Hydrogen peroxide:	7722-84-1	
Substrate Solution		< 0.002 %

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
Sulfuric acid:	7664-93-9	
Stop Solution		1.96 %

3. First Aid Measures

First aid personnel should ensure self-protection.

General information:	Immediately rinse with soap and plenty of water. Use personal protective working aids.
In case of skin contact:	The contaminated clothing and footwear must be taken off, the affected skin must be rinsed with plenty of water. Use soap to completely remove the substance. When irritation persists, seek medical advice.
In case of eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.
In case of ingestion:	Rinse the mouth, administer a big amount of water to dilute the substance. In the case of unconsciousness, never administer anything orally. Seek medical advice.
In case of inhalation:	Transport the affected person into the open air. When there are respiratory complaints, oxygen must be administered. When irritation persists, seek medical advice.

4. Fire Fighting Measures

- Suitable fire-extinguishing media: Carbon dioxide, dry powder, foam, water.
- Thermal decomposition: No thermal decomposition degradation products are expected.
- Special hazards: None.
- Special protective means for firemen: None.

5. Accidental Release Measures

- Safety measures to protect humans: Avoid contact with skin and eyes.
- Environmental safety measures: Avoid penetration into sewerage systems, surface and ground water. Avoid soil

pollution.

- Recommended cleaning and disposal methods: Cover with suitable absorbing material. After removing the substance, rinse the spot of spilling thoroughly with water and soap.

6. Handling and Storage

Handling

Avoid contact with skin, eyes and clothing. Use suitable protective means to work with the substance.

Storage

Store at temperatures between + 2 and + 8°C in a dry and dark place.

7. Exposure controls/personal protection

Technical measures: Do not eat, drink and smoke when working with the kit. Use the kit only in rooms enabling good ventilation.

Local exhaustion is necessary, general (forced) exhaustion is recommended.

Personal protective means – protection of respiratory organs: None

Personal protective means – eye protection: Protective glasses

Personal protective means – hand protection: Protective gloves (wash your hands before and after work)

Personal protective means – body protection: Protective clothing

8. Physical and Chemical Properties

State (at 20° C):

Solid	Antibody coated Microtiter Strips
Liquid	Conjugate Solution, Dilution Buffer Conc. (10x), Wash Solution Conc. (10x), Substrate Solution, Stop Solution
Powder	Master Standard, Quality controls (HIGH, LOW)
Color:	
Caramel to reddish:	Conjugate Solution
Yellowish:	Master Standard, Quality controls (HIGH, LOW), Dilution Buffer Conc. (10x)
Lightly bluish	Substrate Solution
Colourless:	Wash Solution Conc. (10x), Stop Solution
Odour	Odourless
pH	Stop solution: < 1 Others: 6.8 - 7.4
Melting temperature:	N/A
Boiling temperature:	N/A
Flash point (° C):	N/A

Adipoq (Mouse) ELISA Kit (Cat # KA0018)

Flammability:	N/A
Vapour tension (° C):	N/A
Relative density:	N/A
Water solubility:	Soluble.

9. Stability and Reactivity

Conditions to be avoided: Heat

Substances and materials with which the product is not allowed to get in touch: Acids

Hazardous decomposition products: Not known

Other data: No hazardous polymerization

10. Toxicological Information

Not available.

11. Ecological information

Not available.

12. Disposal guidelines

The manner of disposing the substance/preparation:

Mix or dissolve the material in a combustible solvent and burn up in a facility whose equipment matches all regulations in effect.

Every waste disposal must be carried out in coincidence with national and local legislation or administrative regulations respectively.

Packages: In coincidence with local legislation, or administrative regulations respectively.

13. Transport information

Disposal must be made in accordance with federal, state and local environmental regulations.

14. Regulatory information

Not available.

15. Other

The material safety data sheet contains data necessary to ensure safety and health and environmental protection in working with chemical substances. The above-stated data match the contemporary state of knowledge and experience and are in coincidence with legal regulations currently in effect. This product is a chemical substance and can be solely used by

persons with chemical education at their own risk. This kit is designed for biomedical research. The manufacturer has no responsibility for damage caused by unsuitable use and by disrespecting the enclosed working instructions.

The above-stated information cannot be considered as complete and must be understood to be only a methodical instruction.