

SAFETY DATA SHEET



Protein 200 Plus LabChip Kit PN 5065-4480

1. Identification of the substance/preparation and company/undertaking

Identification of the substance or preparation

Product name : Protein 200 Plus LabChip Kit PN 5065-4480
Part No. : Protein 200 Plus 5065-4481
 Reagent Kit PN 5065-4481

Company/undertaking identification

Manufacturer / Supplier : Agilent Technologies Manufacturing GmbH & Co. KG
 Hewlett-Packard-Str. 8
 76337 Waldbronn
 Germany

Emergency telephone number : Contact your local Poison Center

2. Composition/information on ingredients

Substance/preparation : Protein 200 Plus Reagent Preparation
 Kit PN 5065-4481

Ingredient name	CAS number	%	EC number	Classification
Protein 200 Plus Reagent Kit PN 5065-4481 Spin Filters Spin Filters		100		Not classified.
Protein Gel Matrix (Red Cap) Protein Gel Matrix (Red Cap)		100		Not classified.
Protein Sample Buffer water	7732-18-5	99 - 99.1	231-791-2	Not classified.
sulfuric acid, monododecyl ester, lithium salt	2044-56-6	0.9 - 1	218-058-2	Not classified.
Protein Dye Concentrate (Blue Cap) Protein Dye Concentrate (Blue Cap)		100		Not classified.
Protein Ladder (Yellow Cap) Protein Ladder (Yellow Cap)		100		Not classified.
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

Use of the substance/preparation : Protein 200 Plus Not available.
 Reagent Kit PN 5065-4481

Use of the substance/preparation : Analytical Standards

Chemical family : Protein 200 Plus Not available.
 Reagent Kit PN 5065-4481

Synonyms : Protein 200 Plus Not available.
 Reagent Kit PN 5065-4481

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

- Classification** : Protein 200 Plus Reagent Not classified.
Kit PN 5065-4481
- Physical/chemical hazards** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481
- Human health hazards** : Protein 200 Plus Not applicable.
Reagent Kit PN 5065-4481
- Environmental hazards** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481

See section 11 for more detailed information on health effects and symptoms.

4. First-aid measures

First-aid measures

- Inhalation** : Protein 200 Plus Reagent Kit PN 5065-4481 If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if adverse health effects persist or are severe.
- Ingestion** : Protein 200 Plus Reagent Kit PN 5065-4481 Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if adverse health effects persist or are severe.
- Skin contact** : Protein 200 Plus Reagent Kit PN 5065-4481 In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if adverse health effects persist or are severe.
- Eye contact** : Protein 200 Plus Reagent Kit PN 5065-4481 In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if adverse health effects persist or are severe.

Specific treatments :

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481
- Special exposure hazards - Explosibility** : No specific hazard.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Protein 200 Plus Reagent Kit PN 5065-4481 Avoid contact with eyes, skin and clothing.
- Environmental precautions** : Protein 200 Plus Reagent Kit PN 5065-4481 Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : Protein 200 Plus Reagent Kit PN 5065-4481 If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain it to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

7. Handling and storage

- Handling** : Protein 200 Plus Reagent Wash thoroughly after handling.
Kit PN 5065-4481
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.

8. Exposure controls/personal protection

- Exposure limit values** : Not available.
- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.
- Exposure controls**
- Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Protein 200 Plus Reagent Liquid.
Kit PN 5065-4481
- Colour** : Protein 200 Plus Reagent Not available.
Kit PN 5065-4481
- Odour** : Protein 200 Plus Reagent Not available.
Kit PN 5065-4481

Important health, safety and environmental information

- pH** : Protein 200 Plus Reagent Not available.
Kit PN 5065-4481
- Boiling point** : Protein 200 Plus Reagent The lowest known value is 100°C (212°F) (water).
Kit PN 5065-4481
- Melting point** : Protein 200 Plus Reagent May start to solidify at 0°C (32°F) based on data for: water.
Kit PN 5065-4481

9. Physical and chemical properties

Flash point	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Flammability (solid, gas)	: Protein 200 Plus Reagent Not applicable. Kit PN 5065-4481
Explosive properties	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Explosion limits	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Oxidising properties	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Vapour pressure	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Relative density	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Solubility	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Vapour density	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Evaporation rate (butyl acetate = 1)	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Auto-ignition temperature	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481

10. Stability and reactivity

Stability	: The product is stable.
Conditions to avoid	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Materials to avoid	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481
Hazardous decomposition products	: Protein 200 Plus Reagent Not available. Kit PN 5065-4481

11. Toxicological information

Potential acute health effects

Inhalation	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481
Ingestion	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481
Skin contact	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481
Eye contact	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481

Potential chronic health effects

Carcinogenicity	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481
Mutagenicity	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481
Reproductive toxicity	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481

Over-exposure signs/symptoms

Inhalation	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481
Ingestion	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481
Skin	: Protein 200 Plus Reagent No known significant effects or critical hazards. Kit PN 5065-4481

11. Toxicological information

- Target organs** : Protein 200 Plus Reagent Not available.
Kit PN 5065-4481
- Other adverse effects** : Protein 200 Plus Reagent Not available.
Kit PN 5065-4481

12. Ecological information

- Mobility** : Protein 200 Plus Reagent Not available.
Kit PN 5065-4481
- Other adverse effects** : Protein 200 Plus Reagent No known significant effects or critical hazards.
Kit PN 5065-4481

13. Disposal considerations

- Methods of disposal** : Protein 200 Plus Reagent Kit PN 5065-4481 The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- European waste catalogue (EWC)** : Protein 200 Plus Reagent Not available.
Kit PN 5065-4481
- Hazardous waste** : Protein 200 Plus Reagent Kit PN 5065-4481 Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

14. Transport information

Not regulated.

15. Regulatory information

EU regulations

- Hazard symbol/symbols** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481
- Risk phrases** : Protein 200 Plus Reagent This product is not classified according to EU legislation.
Kit PN 5065-4481
- Safety phrases** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481
- Product use** : Protein 200 Plus Reagent Kit PN 5065-4481 Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.
- Consumer applications.

Other EU regulations

- Additional warning phrases** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481
- Child protection** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481
- Tactile warning of danger** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481
- Restrictions on the Marketing and Use Directive** : Protein 200 Plus Reagent Not applicable.
Kit PN 5065-4481

16. Other information

History

- Date of printing** : 10/26/2005.
- Date of issue** : 10/26/2005.
- Date of previous issue** : No previous validation.
- Version** : 0.01

Notice to reader

- Date of issue** : 10/26/2005.

16. Other information

DISCLAIMER: *This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing the suitability of the Product for a particular application.*

 Indicates information that has changed from previously issued version.