



Abbott

Release Date: 8/22/19

REF	Product Name
GTIN	

3L78-60	<i>ABBOTT Proteinase K, recombinant, PCR Grade</i>
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Components:

3L78	Proteinase K, recombinant, PCR Grade / Abbott Proteinase K
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Safety Data Sheet

according to WHS Regulations

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Release date 22.08.2019

Version number 12

Last alteration on 15.12.2015

1 Identification

Product identifier

Trade name: **Proteinase K, recombinant, PCR Grade / Abbott Proteinase K**

Article number: 3L78

Application of the substance / the preparation: For In Vitro Diagnostic Use

Details of the supplier of the safety data sheet

Supplier:

Abbott Australasia P/L (Diagnostics Division)

299 Lane Cove Road

Macquarie Park NSW 2113

Tel: +61 2 9857 1111

Abbott Australasia P/L (Molecular Division)

299 Lane Cove Road

Macquarie Park NSW 2113

Tel: +61 2 9857 1111

Informing department: see Supplier

Emergency telephone number

1800 816 696 and (+61 2 9857 1111)

Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to Abbott customer number 675834.

- Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.

- Telephone +1 (703) 527-3887, the international and maritime number (collect calls accepted), if you are calling from outside the United States or from a ship at sea.

2 Hazard(s) Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Skin Corr. 3 H316 Causes mild skin irritation.

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Label elements

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms:



Signal word: Danger

Hazard-determining components of labelling:

Proteinase K

Hazard statements:

H316 Causes mild skin irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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H317 May cause an allergic skin reaction.

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Precautionary statements:

- P261 Avoid breathing mist / vapours / spray.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P284 [In case of inadequate ventilation] wear respiratory protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
- P501 This material and its container must be disposed of in a safe way.

Routes of Exposure:

Skin
Inhalation

3 Composition and Information on Ingredients

Dangerous components according to EC criteria:

CAS: 39450-01-6	Proteinase K	2.00%
	Resp. Sens. 1, H334; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	

Additional information:

For the complete text of Hazard (H) codes displayed in this section, refer to Section 16.

4 First Aid Measures

- General information:** Immediately remove any clothing soiled by the product.
- After inhalation:**
Remove from source of exposure. If irritation or signs of toxicity occur, seek medical attention.
- After skin contact:**
Take off any clothing that the product touched. Rinse skin with running water for 15 to 20 minutes. Seek medical attention if irritation or signs of toxicity occur.
- After eye contact:**
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. Wash hands after handling.
- After swallowing:** Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.
- Information for Medical Personnel:**
 - Most important symptoms and effects, both acute and delayed:**
 - Kidney effects
 - Allergic reactions
 - Possibly immune response
 - This product may cause skin sensitization reactions in some people. See Section 11 for additional information.
 - Respiratory irritation

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5 Fire Fighting Measures

· Suitable extinguishing agents:

Dry chemical, carbon dioxide (CO₂), water spray or regular foam.

- Caution: CO₂ will displace air in confined spaces and may cause an oxygen-deficient atmosphere.
- For larger fires: There are no unique chemical or reactivity hazards that would impact firefighting decisions related to this product. Use firefighting measures that suit the environment.

· Special hazards arising from the substance or mixture

There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.

No further relevant information available.

· Protective equipment:

For large fires, wear appropriate heat- and flame-resistant personal protective equipment and an approved positive-pressure, self-contained breathing apparatus.

6 Accidental Release Measures

· Personal precautions, protective equipment and emergency procedures

Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected persons away.

· Environmental precautions

Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.

· Methods and material for containment and cleaning up

Blot up small volumes of spilled or spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbents around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:

- warm water and detergent or similar cleansing agent

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and Storage

· Handling

· Precautions for safe handling:

Ensure good ventilation in the workplace.

Avoid contact with skin.

Avoid inhalation.

- Information about protection against explosions and fires: No special measures required.

· Storage:

- Requirements to be met by storerooms and containers: Store only in the original container.

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- **Information about storage in one common storage facility:** Store in original packaging.
- **Further information about storage conditions:**
Refer to the package insert or product label for additional information on storage conditions for product quality.

8 Exposure controls and personal protection

· Components with limit values that require monitoring at the workplace:

CAS: 56-81-5 Glycerol (50.00 %)

PEL (USA)	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.
NES (Australia)	Long-term value: 10 mg/m ³
WES (Australia)	Long-term value: 10 mg/m ³

· Personal protective equipment:

· General protective and hygienic measures:

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the workshift.

Avoid contact with the skin.

Immediately remove all soiled and contaminated clothing.

· Breathing equipment:

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Other unusual conditions (e.g. volume spilled too big to clean up with materials in arm's reach) - Use appropriate air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use approved respiratory protection.

Take precautions if chemical concentrations exceed the exposure limits (if any) listed above.

· Protection of hands:

Wear impervious gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

· Material of gloves and breakthrough time of the glove material:

The glove material must be suitable for use in a microbiological laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

· Eye protection:

Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.

· Body protection:

Normal use: protect personal clothing from splatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution). Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.

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9 Physical and Chemical Properties

General Information

- **Form:** Liquid
- **Colour:** Colourless

- **Odour:** Odourless

- **pH-value at 20 °C:** 7.5
- **Melting point/freezing point:** Not determined
- **Initial boiling point and boiling range:** Not determined

- **Flash point:** Not applicable
- **Inflammability (solid, gaseous):** Not applicable

- **Ignition temperature:** 0 °C
- **Auto igniting** Product is not self-igniting.

- **Explosive properties:** Product does not present an explosion hazard.
- **Lower:** 0.0 Vol %
- **Upper:** 0.0 Vol %
- **Vapour pressure:** Not determined

- **Density at 20 °C** 1.1 g/cm³
- **Evaporation rate:** Not determined

- **Solubility in / Miscibility with**
- **Water:** Fully miscible

- **Viscosity:**
- **dynamic:** Not determined

- **Water:** 48.0 %
- **Solids content:** 0.0 %

10 Stability and Reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**
- **Ingredients (100% pure substance/s):** Not applicable.

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- **Primary irritant effect:**
 - **Skin corrosion/irritation** No irritant effect.
 - **Serious eye damage/irritation** No irritant effect.
- **Sensitisation:**
Sensitisation possible by inhalation.
Sensitization possible through skin contact.
- **Additional toxicological information:** None
- **Target organs/systems:**
Kidneys
Skin
Immune system
Respiratory tract

12 Ecological Information

- **Aquatic toxicity:** No further relevant information available.
- **Additional ecological information**
 - **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
Refer to applicable local regulations for limit values of discharge into sewage system.
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable
 - **vPvB:** Not applicable

13 Disposal considerations

- **Recommendation for disposal of unused product:**
Dispose in accordance with national, state and local regulations.
- **Uncleaned packagings**
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.
- **Recommendation for disposal of packaging:**
Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.
- **Recommended cleaning agent:** Water with cleansing agents, if necessary.

14 Transport information

- **UN-Number**
 - **ADG, ADN, IMDG, IATA** None
- **UN proper shipping name**
 - **ADG, ADN, IMDG, IATA** None

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Transport hazard class(es)

- **ADG, ADN, IMDG, IATA**
- **Class** None

Packing group

- **ADG, IMDG, IATA** None

Environmental hazards

- **Marine pollutant:** No

Transport/Additional information

- **ADG**
- **Remarks:** Not restricted for transportation.
- **IMDG**
- **Remarks:** Not restricted for transportation.
- **IATA**
- **Remarks:** Not restricted for transportation.

15 Regulatory information

Australian Inventory of Chemical Substances

CAS: 56-81-5	Glycerol
CAS: 7732-18-5	Water, distilled, or of similar purity

Directive 2012/18/EU

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

16 Other information

The information and recommendations contained herein are based upon information or tests believed to be reliable. Abbott Laboratories does not guarantee the accuracy or completeness of this information or recommendations contained herein, NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

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Complete text for H (Hazard) codes displayed in Section 3:

Note: The respective H statements apply to the pure substances.

Contact supplier

Tel. Abbott Molecular Customer Service: 1-800-553-7042
Abbott Australasia P/L (Diagnostics Division)
Emergency Contact number: 1800 816 696 and +61 2 9857 1111

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Skin Corr. 3: Skin corrosion/irritation – Category 3

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· * **Data compared to the previous version altered.**

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