

 Atlas Medical	File Title: Product File.	Document Title: Material Safety Data Sheet.	Date Issued 03.11.2019
	Item Title: GPT-ALT Reitman Frankel Kit	Item Code: 8.05.23.x.xxxx	Issue Level: 1.1

2. General Information.

Trade Names & Synonyms: GPT-ALT Reitman Frankel Kit, All sizes.

Chemical Family: In Vitro Diagnostic Test kit (Clinical Chemistry).

Manufacturer: Atlas Medical.

Manufacturer's address: Atlas Medical UG , Ludwig-Erhaed-Ring 3
15827 Blankenefelde-Mahlow Germany.

Manufacturer's phone: +49(0)33708355030

Email: info@atlas-medical.com

3. Composition, Information on Active Ingredients.

ACTIVE INGREDIENTS:

Substance Not applicable.

Mixture:

Reagent	Component	Concentration	Concentration limits	R-Phrases	S-Phrases	N° CAS
R1b	Phosphate buffer	100 mmol/L	-	-	-	7558-79-4
R1b	L-alanine	200 mmol/L	-	-	-	56-41-7
R1b	ketoglutarate	2 mmol/L	-	-	-	328-50-7
R2	2,4- Dinitrophenylhydrazine	2 %	1-5 %	R: 1 - 11 - 22 - 40	S: 16 - 36/37/39 - 45	119-26-6
R3	Sodium hydroxide	5 %	1-5 %	R: 35	S: 1/2 - 26 - 37/39 - 45	1310-73-2

4. Hazard Information.

Not hazardous according to Regulation (EC) N°. 1272/2008.

5. Fire & Explosion Hazard Data.

No restriction.


6. Accidental release measures.

6.1 FIRST-AID MEASURES

Eye contact: Rinse eyes immediately with plenty of water.

Skin contact: Wash with plenty of water.

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Ingestion: Requires medical control.

6.2 ACCIDENTAL RELEASE MEASURES

After spillage: Can be washed off with plenty of water.

7. Handling and Storage.

Information for safe handling:

Do not use reagents after the expiration date.

Storage:

Store in the original container at 2-8°C.

Requirements to be met by storerooms and receptacles:

No special requirements.

8. Exposure control and personal gear.

Ingredients with limit values that require monitoring in the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

Personal protective equipment:

General protective and hygienic measures: Adhere to good laboratory practices (GLP).

Wash hands before breaks and at the end of work.

Respiratory protection: Not required

Protection of hands: Disposable gloves.

Material of gloves: Latex/natural rubber.

Penetration time of glove material: Glove resistance is not critical as the gloves are intended to provide protection against the sample material.


Eye protection: Not required

Body protection: Lab coat

9. Physical and chemical properties.

Properties	R1b	R2	R3
Status	Liquid	Liquid	Liquid
Odor	Odorless	Odorless	Odorless
pH value	7.4	0.3-0.5	12.0
Boiling point	Not determined	Not determined	Not determined
Melting point	Not determined	Not determined	Not determined
Ignition temperature	Not determined	Not determined	Not determined
Solubility in water	Soluble	Soluble	Soluble
Flammability	Not flammable	Not flammable	Not flammable

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10. Stability and Reactivity Data.

Reactivity: No additional information available.

Chemical stability: Stable under recommended storage conditions during 18 months after the date of production.

11. Toxicological information.

Substances: Not applicable.

Mixtures: Not known.

12. Ecological information.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

13. Waste disposal information.

No special waste-handling cautions needed. Accordance with local regulations should be observed.

14. Transport information.

In accordance with ADR / RID / IMDG / IATA / AND.

15. Regulatory information.

This product does not require special labelling, in accordance with the appropriate EC directives

16. Other information.

The product is for in-vitro use only.

17. Disclaimer.

The information above is believed to be accurate represents the best information currently available to us.

However we make no warranty of merchantability or any other warranty expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purpose. In no way shall the company be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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