

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION & COMPANY UNDERTAKING

PRODUCT NAME	Nucleplex Plasmid DNA Extraction Kit
PRODUCT NUMBERS	33100
Address/ Phone No	Gen-Probe Life Sciences Ltd. Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. INFORMATION ON COMPONENTS

CONTENTS	A matched set of components of 1 bottle of Elution buffer, Lysis buffer, Neutralisation buffer, Magnetic particles, Wash buffer, RNAase A and Binding solution
CAS No	None assigned for the product
EC No	None assigned for the product
Use	For the extraction of DNA from plant tissue. For professional use only.
HAZARDOUS INGREDIENT(S)	Listed below for each component

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
& COMPANY UNDERTAKING**

COMPONENT NAME	Lysis buffer
PRODUCT NUMBERS	33100/03
Address/ Phone No	Gen-Probe Life Sciences Ltd Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. HAZARDS IDENTIFICATION

Risks	None identified
Special Risk Conditions	None Identified

3. INFORMATION ON COMPONENTS

CONTENTS	95mL of a saline solution containing <5% EDTA, SDS, PVP AND Triton X
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CAS No	None assigned for the component
EC No	None assigned for the component
Use	For use in the extraction of DNA from blood. For professional use only.

HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases
EDTA	60-00-4	Xi	R36,37,38
SDS	151-21-3	Xn , F	R11,22,36/38
PVP	9003-39-8		
Triton X	9002-93-1	Xn,N	R22, R41,51/53

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, CO ₂ dry chemical powder or appropriate foam.
Fire fighting protective equipment	

6. ACCIDENTAL RELEASE MEASURES

Small spillages	Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water.
Spill treatment method	Wear suitable protective clothing. Mix with sand, scoop into a container and hold for disposal. Wash spill site with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink
STORAGE	Store at 15°C – 25°C
Storage Life	Total storage life at recommended conditions 36 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators	Not applicable
Eye protection	Splash proof goggles or safety glasses
Gloves	Latex or other light weight gloves
Other	Lab coat
Occupational exposure limits	None set

9. PHYSICAL AND CHEMICAL PROPERTIES

	There are no unusual properties. The product's characteristics are very similar to water
Form	Liquid
Colour	Colourless
Odour	Odourless
pH (Value)	8.7
Boiling point (°C)	100
Flash Point (°C)	Not Applicable
Flammable limits	Not Applicable
Auto Ignition Temperature (°C)	Not Applicable
Specific gravity	1.0

10. STABILITY & REACTIVITY

Stable	Under advised storage conditions 36months
Hazardous reactions	None known
Hazardous Decomposition Products	Not applicable

11. TOXICOLOGICAL INFORMATION

Inhalation	Unlikely route of exposure
Skin contact	Unlikely to cause harmful effects under recommended conditions of handling and use. The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact	Unlikely to cause harmful effects under recommended conditions of handling and use. May cause eye irritation. May cause inflammation of conjunctiva and cornea.
Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	Unlikely to cause harmful effects under recommended conditions of handling and use

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This part of the data sheet relating to the Lysis Buffer is prepared in accordance with Directive EC 1907/2006; SI 2008 No 2852

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
& COMPANY UNDERTAKING**

COMPONENT NAME	Magnetic Particles
PRODUCT NUMBERS	33100/08
Address/ Phone No	Gen-Probe Life Sciences Ltd. Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. HAZARDS IDENTIFICATION

Risks	None identified
Special Risk Conditions	None Identified

3. INFORMATION ON COMPONENTS

CONTENTS	5mL aqueous solution containing <50% Potassium acetate		
CAS No	None assigned for the component		
EC No	None assigned for the component		
Use	For use in the extraction of DNA from plant tissue. For professional use only.		
HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases
Potassium acetate	127-08-2		

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, CO ₂ dry chemical powder or appropriate foam.
Fire fighting protective equipment	

6. ACCIDENTAL RELEASE MEASURES

Small spillages	Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water.
Spill treatment method	Wear suitable protective clothing. Mix with sand, scoop into a container and hold for disposal. Wash spill site with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink
STORAGE	Store at 15°C – 25°C
Storage Life	Total storage life at recommended conditions 36 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators	Not applicable
Eye protection	Splash proof goggles or safety glasses
Gloves	Latex or other light weight gloves
Other	Lab coat
Occupational exposure limits	None set

9. PHYSICAL AND CHEMICAL PROPERTIES

	There are no unusual properties. The product's characteristics are very similar to water
Form	Liquid
Colour	Colourless
Odour	Odourless
pH (Value)	7
Boiling point (°C)	100
Flash Point (°C)	Not Applicable
Flammable limits	Not Applicable
Auto Ignition Temperature (°C)	Not Applicable
Specific gravity	1.0

10. STABILITY & REACTIVITY

Stable	Under advised storage conditions 36months
Hazardous reactions	None known
Hazardous Decomposition Products	Not applicable

11. TOXICOLOGICAL INFORMATION

Inhalation	Unlikely route of exposure
Skin contact	Unlikely to cause harmful effects under recommended conditions of handling and use. The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact	Unlikely to cause harmful effects under recommended conditions of handling and use. May cause eye irritation. May cause inflammation of conjunctiva and cornea.
Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	Unlikely to cause harmful effects under recommended conditions of handling and use

12 ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This part of the data sheet relating to the Magnetic Particles is prepared in accordance with Directive EC 1907/2006; SI 2008 No 2852

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
& COMPANY UNDERTAKING**

COMPONENT NAME	Neutralisation Buffer
PRODUCT NUMBERS	33100/04
Address/ Phone No	Gen-Probe Life Sciences Ltd. Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. HAZARDS IDENTIFICATION

Risks	My be harmful by inhalation, in contact with skin and if swallowed
Special Risk Conditions	Avoid contact with strong acids

3. INFORMATION ON COMPONENTS

CONTENTS	86mL aqueous solution containing <50% Potassium acetate
CAS No	None assigned for the component
EC No	None assigned for the component
Use	For use in the extraction of DNA from plant tissue. For professional use only.

HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases
Potassium acetate	127-08-2		
Tris HCl	1185-53-1	Xi	R36/37/38
Guanidine Isothiocyanate	593-84-0	Xn	R20/21/21 -R32

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, CO ₂ dry chemical powder or appropriate foam.
Fire fighting protective equipment	

6. ACCIDENTAL RELEASE MEASURES

Small spillages	Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water.
Spill treatment method	Wear suitable protective clothing. Mix with sand, scoop into a container and hold for disposal. Wash spill site with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink
STORAGE	Store at 15°C – 25°C
Storage Life	Total storage life at recommended conditions 36 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators	Not applicable
Eye protection	Splash proof goggles or safety glasses
Gloves	Latex or other light weight gloves
Other	Lab coat
Occupational exposure limits	None set

9. PHYSICAL AND CHEMICAL PROPERTIES

	There are no unusual properties. The product's characteristics are very similar to water
Form	Liquid
Colour	Colourless
Odour	Odourless
pH (Value)	5.5
Boiling point (°C)	100
Flash Point (°C)	Not Applicable
Flammable limits	Not Applicable
Auto Ignition Temperature (°C)	Not Applicable
Specific gravity	1.145

10. STABILITY & REACTIVITY

Stable	Under advised storage conditions 36months
Hazardous reactions	None known
Hazardous Decomposition Products	Not applicable

11. TOXICOLOGICAL INFORMATION

Inhalation	Unlikely route of exposure
Skin contact	Unlikely to cause harmful effects under recommended conditions of handling and use. The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact	Unlikely to cause harmful effects under recommended conditions of handling and use. May cause eye irritation. May cause inflammation of conjunctiva and cornea.
Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	Unlikely to cause harmful effects under recommended conditions of handling and use

12 ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This part of the data sheet relating to the Neutralisation buffer is prepared in accordance with Directive EC 1907/2006; SI 2008 No 2852

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
& COMPANY UNDERTAKING**

COMPONENT NAME	Elution buffer
PRODUCT NUMBERS	33100/06
Address/ Phone No	Gen-Probe Life Sciences Ltd. Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. HAZARDS IDENTIFICATION

Risks	None identified
Special Risk Conditions	None Identified

3. INFORMATION ON COMPONENTS

CONTENTS	265mL buffered aqueous solution		
CAS No	None assigned for the component		
EC No	None assigned for the component		
Use	For use in the extraction of DNA from plant tissue. For professional use only.		
HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, CO ₂ dry chemical powder or appropriate foam.
Fire fighting protective equipment	

6. ACCIDENTAL RELEASE MEASURES

Small spillages	Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water.
Spill treatment method	Wear suitable protective clothing. Mix with sand, scoop into a container and hold for disposal. Wash spill site with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink
STORAGE	Store at 15°C – 25°C
Storage Life	Total storage life at recommended conditions 36 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators	Not applicable
Eye protection	Splash proof goggles or safety glasses
Gloves	Latex or other light weight gloves
Other	Lab coat
Occupational exposure limits	None set

9. PHYSICAL AND CHEMICAL PROPERTIES

	There are no unusual properties. The product's characteristics are very similar to water
Form	Liquid
Colour	Colourless
Odour	Odourless
pH (Value)	7
Boiling point (°C)	100
Flash Point (°C)	Not Applicable
Flammable limits	Not Applicable
Auto Ignition Temperature (°C)	Not Applicable
Specific gravity	1.0

10. STABILITY & REACTIVITY

Stable	Under advised storage conditions 36months
Hazardous reactions	None known
Hazardous Decomposition Products	Not applicable

11. TOXICOLOGICAL INFORMATION

Inhalation	Unlikely route of exposure
Skin contact	Unlikely to cause harmful effects under recommended conditions of handling and use. The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact	Unlikely to cause harmful effects under recommended conditions of handling and use. May cause eye irritation. May cause inflammation of conjunctiva and cornea.
Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	Unlikely to cause harmful effects under recommended conditions of handling and use

12 ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This part of the data sheet relating to the Elution buffer is prepared in accordance with Directive EC 1907/2006; SI 2008 No 2852

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
& COMPANY UNDERTAKING**

COMPONENT NAME	Wash Buffer
PRODUCT NUMBERS	33100/05
Address/ Phone No	Gen-Probe Life Sciences Ltd. Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. HAZARDS IDENTIFICATION

Risks	None identified
Special Risk Conditions	None Identified

3. INFORMATION ON COMPONENTS

CONTENTS	50mL aqueous solution
CAS No	None assigned for the component
EC No	None assigned for the component
Use	For use in the extraction of DNA from plant tissue. For professional use only.
HAZARDOUS INGREDIENT(S)	CAS No Symbol R Phrases

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, CO ₂ dry chemical powder or appropriate foam.
Fire fighting protective equipment	

6. ACCIDENTAL RELEASE MEASURES

Small spillages	Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water.
Spill treatment method	Wear suitable protective clothing. Mix with sand, scoop into a container and hold for disposal. Wash spill site with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink
STORAGE	Store at 15°C – 25°C
Storage Life	Total storage life at recommended conditions 36 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators	Not applicable
Eye protection	Splash proof goggles or safety glasses
Gloves	Latex or other light weight gloves
Other	Lab coat
Occupational exposure limits	None set

9. PHYSICAL AND CHEMICAL PROPERTIES

	There are no unusual properties. The product's characteristics are very similar to water
Form	Liquid
Colour	Colourless
Odour	Odourless
pH (Value)	7
Boiling point (°C)	100
Flash Point (°C)	Not Applicable
Flammable limits	Not Applicable
Auto Ignition Temperature (°C)	Not Applicable
Specific gravity	1.0

10. STABILITY & REACTIVITY

Stable	Under advised storage conditions 36months
Hazardous reactions	None known
Hazardous Decomposition Products	Not applicable

11. TOXICOLOGICAL INFORMATION

Inhalation	Unlikely route of exposure
Skin contact	Unlikely to cause harmful effects under recommended conditions of handling and use. The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact	Unlikely to cause harmful effects under recommended conditions of handling and use. May cause eye irritation. May cause inflammation of conjunctiva and cornea.
Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	Unlikely to cause harmful effects under recommended conditions of handling and use

12 ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This part of the data sheet relating to the Wash Buffer is prepared in accordance with Directive EC 1907/2006; SI 2008 No 2852

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
& COMPANY UNDERTAKING**

COMPONENT NAME	RNAase A
PRODUCT NUMBERS	33100/07
Address/ Phone No	Gen-Probe Life Sciences Ltd. Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. HAZARDS IDENTIFICATION

Risks	None identified
Special Risk Conditions	None Identified

3. INFORMATION ON COMPONENTS

CONTENTS	400uL of a 30mg/mL RNAase A in glycerol		
CAS No	None assigned for the component		
EC No	None assigned for the component		
Use	For use in the extraction of DNA from plant tissue. For professional use only.		
HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases
Glycerol	56-81-5		

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, CO ₂ dry chemical powder or appropriate foam.
Fire fighting protective equipment	

6. ACCIDENTAL RELEASE MEASURES

Small spillages	Ensure suitable personal protection during removal of spillages. To clean the floor and all objects contaminated with this component use water.
Spill treatment method	Wear suitable protective clothing. Mix with sand, scoop into a container and hold for disposal. Wash spill site with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid contact with skin and eyes. Wash hands after use. When using do not eat or drink
STORAGE	Store at 15°C – 25°C
Storage Life	Total storage life at recommended conditions 36 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators	Not applicable
Eye protection	Splash proof goggles or safety glasses
Gloves	Latex or other light weight gloves
Other	Lab coat
Occupational exposure limits	None set

9. PHYSICAL AND CHEMICAL PROPERTIES

	There are no unusual properties. The product's characteristics are very similar to water
Form	Liquid
Colour	Colourless
Odour	Odourless
pH (Value)	7
Boiling point (°C)	100
Flash Point (°C)	Not Applicable
Flammable limits	Not Applicable
Auto Ignition Temperature (°C)	Not Applicable
Specific gravity	1.0

10. STABILITY & REACTIVITY

Stable	Under advised storage conditions 36months
Hazardous reactions	None known
Hazardous Decomposition Products	Not applicable

11. TOXICOLOGICAL INFORMATION

Inhalation	Unlikely route of exposure
Skin contact	Unlikely to cause harmful effects under recommended conditions of handling and use. The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact	Unlikely to cause harmful effects under recommended conditions of handling and use. May cause eye irritation. May cause inflammation of conjunctiva and cornea.
Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	Unlikely to cause harmful effects under recommended conditions of handling and use

12 ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This part of the data sheet relating to the RNAase A is prepared in accordance with Directive EC 1907/2006; SI 2008 No 2852

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION
& COMPANY UNDERTAKING**

COMPONENT NAME	Binding Solution
PRODUCT NUMBERS	33100/09
Address/ Phone No	Gen-Probe Life Sciences Ltd. Heron House Oaks Business Park Crewe Road Wythenshawe UNITED KINGDOM, M23 9HZ Telephone +44 (0) 161 946 2200 e-mail: allan.swift@gen-probe.com

2. HAZARDS IDENTIFICATION

Risks	R36/37/38 Irritating to eyes, respiratory system and skin.
Special Risk Conditions	None Identified

3. INFORMATION ON COMPONENTS

CONTENTS	50mL of an aqueous solution containing <50% potassium acetate in PEG		
CAS No	None assigned for the component		
EC No	None assigned for the component		
Use	For use in the extraction of DNA from plant tissue For professional use only.		
HAZARDOUS INGREDIENT(S)	CAS No	Symbol	R Phrases
Potassium Acetate	127-08-02		
PEG	500-038-2		

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air and keep at rest. Unlikely route of exposure
Skin Contact	Remove contaminated clothing. Wash skin immediately with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact	Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Ingestion	If swallowed seek medical advice immediately. Wash out mouth with water and give 200-300mL of water to drink
Further Medical treatment	Symptomatic treatment and supportive therapy as indicated.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Use water spray, CO ₂ dry chemical powder or alcohol resistant foam.
Fire fighting protective equipment	

6. ACCIDENTAL RELEASE MEASURES

	Ensure suitable personal protection during removal of spillages.
Small spillages	To clean the floor and all objects contaminated with this component use water. Avoid dust formation. Avoid breathing dust
Spill treatment method	Wear suitable protective clothing. Mix with sand, scoop into a container and hold for disposal. Wash spill site with water.

7. HANDLING AND STORAGE

HANDLING	Ensure adequate ventilation. Avoid dust formation. Use LEV where dust formation is possible Avoid contact with skin and eyes. Wash hands after use.
STORAGE	When using do not eat or drink Store at – 20 °C

Component Part:**Binding Solution**

Storage Life Total storage life at recommended conditions 24 months

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respirators Not generally applicable, but where risk assessment shows air-purifying respirators are appropriate use dust mask type N95 or type P1 (EN 143).
Eye protection Splash proof goggles or safety glasses
Gloves Latex or other light weight gloves
Other Lab coat

Occupational exposure limits None set

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid
Colour colourless
Odour None
pH (Value) Not Applicable
Boiling point (°C) No data available
Flash Point (°C) No data available
Flammable limits No data available
Auto Ignition Temperature (°C) No data available
Specific gravity No data available

10. STABILITY & REACTIVITY

Stable Under advised storage conditions 24months

Hazardous reactions Avoid strong oxidizing agents
Hazardous Decomposition Products Hazardous decomposition products formed under fire conditions – Nature of decomposition products not known

11. TOXICOLOGICAL INFORMATION

Inhalation Unlikely to cause harmful effects
Skin contact Unlikely to cause harmful effects under recommended conditions of handling and use.
The only likely symptom would be a local reaction, such as reddening or inflammation, after accidental injection of this product
Eye contact Unlikely to cause harmful effects under recommended conditions of handling and use.
May cause eye irritation. May cause inflammation of conjunctiva and cornea.

Component Part:**Binding Solution**

Ingestion	Unlikely to cause harmful effects under recommended conditions of handling and use
Long term exposure	No component of this product present at levels $\geq 0.1\%$ is identified as probable, possible or confirmed carcinogen by IARC.

12 ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not classified as Dangerous for Transport by ADR/RID, IMDG or IATA

15. REGULATORY INFORMATION

Not classified as Dangerous for Supply/Use

16. OTHER INFORMATION

This part of the data sheet relating to the Binding Solution is prepared in accordance with Directive EC 1907/2006; SI 2008 No 2852

The information and recommendations in this data sheet are to the best of our knowledge, information and belief accurate at the date of issue. Nothing herein is to be construed as a warranty, expressed or implied. In all cases it is the responsibility of the users to determine the applicability, of such information or the suitability of the products for their own particular purpose.
