



SAFETY DATA SHEET

COVER SHEET

Product Name LV-Pak Reagent Kit

Catalog Number(s) 200108

Recommended Use Hematology Reagents

Company Information Erba Diagnostics
14100 NW 57th Court
Miami Lakes, FL 33014
Telephone: 305-418-2320

This cover sheet is for the following four products, which constitute the LV-Pak Reagent Kit and their Safety Data Sheets:

Catalog Number(s)	Component
610311, R631011	Cellyse XI
610312, R631012	Cellyse XII
R631200	Multi-Cell Diluent
R610400	CD Clean Enzymatic Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Cellyse XI³, Cellyse IILV-18 and Cellyse₃ XI
Catalog Number(s) 610311, R631011
Recommended Use Hematology Reagent

Company Information Erba Diagnostics
 14100 NW 57th Court
 Miami Lakes, FL 33014
 Telephone: 305-418-2320

2. HAZARD(S) IDENTIFICATION

Route of Entry/Exposure Skin Contact Eye Contact Inhalation Ingestion

Effects of acute exposure Skin Contact: May cause irritation
 Eye Contact: May cause irritation
 Inhalation: May cause irritation
 Ingestion: May be fatal if swallowed.

Effects of chronic exposure None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Weight %
Water	7732-18-5	> 90%
Quaternary Ammonium Salts	N/A	< 10%
Potassium Cyanide	122-99-6	< 1.0%

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200), a chemical is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1 % or more of a carcinogen. The product does NOT contain hazardous material(s) in excess of these amounts.

4. FIRST AID MEASURES

Eye Contact Flush eyes thoroughly with water. If irritation occurs, seek medical attention.
Skin Contact Wash affected area with water for at least 15 minutes
Inhalation Move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately.
Ingestion Seek medical attention if swallowed.

5. FIRE-FIGHTING MEASURES

Flammable No
Flash point N/A
Extinguishing media Use alcohol-resistant foam, carbon dioxide water or dry chemical spray. Use water spray to cool fire-exposed containers.
Auto-ignition temperature N/A
Upper/Lower flammable limit N/A
Hazardous combustion products None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Protect eyes and mucous membranes from contact. Use good laboratory practice.
Environmental Precautions Contain spill to prevent contamination of surrounding areas. Do not flush down the drain.
Leak and spill procedure Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous waste.

7. HANDLING AND STORAGE

Handling	No special precautions required. Use good laboratory practice
Storage	Keep container tightly closed away from acids. Store at room temperature

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Eye/Face Protection	Safety goggles, glasses, or face shield recommended.
Skin Protection	Latex or equivalent gloves recommended
Respiratory Protection	Under normal use conditions, no respiratory protection is required.
Engineering Measures	Use in well ventilated areas.
Exposure Guidelines	Avoid long or repeated exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear colorless solution
Odor	Sharp odor
Odor Threshold	No data available
pH	Not data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	No data available
Evaporation Rate	No data available
Melting Point	No data available
Boiling Point	No data available
Solubility in Water	Complete

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and pressures.
Hazardous Polymerization	None known
Incompatible Materials	Keep away from oxidizing agents and acids.
Hazardous Decomposition Products	Hydrogen cyanide

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Irritation	No data available
Synergistic Products:	No data available
LD50: MOPSO:	No data available

Chronic Toxicity

Carcinogenicity	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP, OSHA
Sensitization to Product:	No data available
Mutagenic Effects	No data available
Reproductive/Developmental/ Teratogenic Effects	No data available
Other Adverse Effects	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
--------------------	-------------------

13. DISPOSAL INFORMATION

Waste Disposal Methods Dispose according to all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT

TDG

IATA

IMDG/IMO

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG, or European ADR

15. REGULATORY INFORMATION

TSCA N/A

SARA 313

SARA 311/312 Hazardous Category No

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure No

Reactive Hazard No

Clean Water Act N/A

Clean Air Act N/A

OSHA N/A

CERCLA N/A

California Proposition 65 N/A

16. OTHER INFORMATION

Prepared By: Erba Diagnostics' Regulatory Affairs

Revision Date 12/10/14

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release; it is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Cellyse XII³, Cellyse 12LV-18 and Cellyse XII³
Catalog Number(s) 610312, R631012
Recommended Use Hematology Reagent

Company Information Erba Diagnostics
 14100 NW 57th Court
 Miami Lakes, FL 33014
 Telephone: 305-418-2320

2. HAZARD(S) IDENTIFICATION

Route of Entry/Exposure Skin Contact Eye Contact Inhalation Ingestion

Effects of acute exposure Skin Contact: May cause irritation
 Eye Contact: May cause irritation
 Inhalation: May cause irritation
 Ingestion: May be fatal if swallowed.

Effects of chronic exposure None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Weight %
Water	7732-18-5	> 90%
Quaternary Ammonium Salts	N/A	< 10%

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200), a chemical is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1 % or more of a carcinogen. The product does NOT contain hazardous material(s) in excess of these amounts.

4. FIRST AID MEASURES

Eye Contact Flush eyes thoroughly with water. If irritation occurs, seek medical attention.
Skin Contact Wash affected area with water for at least 15 minutes
Inhalation Move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately.
Ingestion Seek medical attention if swallowed.

5. FIRE-FIGHTING MEASURES

Flammable No
Flash point N/A
Extinguishing media Use alcohol-resistant foam, carbon dioxide water or dry chemical spray. Use water spray to cool fire-exposed containers.
Auto-ignition temperature N/A
Upper/Lower flammable limit N/A
Hazardous combustion products None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Protect eyes and mucous membranes from contact. Use good laboratory practice.
Environmental Precautions Contain spill to prevent contamination of surrounding areas. Do not flush down the drain.
Leak and spill procedure Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous waste.

7. HANDLING AND STORAGE

Handling	No special precautions required. Use good laboratory practice
Storage	Keep container tightly closed away from acids. Store at room temperature

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Eye/Face Protection	Safety goggles, glasses, or face shield recommended.
Skin Protection	Latex or equivalent gloves recommended
Respiratory Protection	Under normal use conditions, no respiratory protection is required.
Engineering Measures	Use in well ventilated areas.
Exposure Guidelines	Avoid long or repeated exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear colorless solution
Odor	Sharp odor
Odor Threshold	No data available
pH	Not data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	No data available
Evaporation Rate	No data available
Melting Point	No data available
Boiling Point	No data available
Solubility in Water	Complete

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and pressures.
Hazardous Polymerization	None
Incompatible Materials	Keep away from oxidizing agents and acids.
Hazardous Decomposition Products	None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Irritation	No data available
Synergistic Products:	No data available
LD50: MOPSO:	No data available

Chronic Toxicity

Carcinogenicity	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP, OSHA
Sensitization to Product:	No data available
Mutagenic Effects	No data available
Reproductive/Developmental/ Teratogenic Effects	No data available
Other Adverse Effects	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
--------------------	-------------------

13. DISPOSAL INFORMATION

Waste Disposal Methods Dispose according to all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT

TDG

IATA

IMDG/IMO

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG, or European ADR

15. REGULATORY INFORMATION

TSCA N/A

SARA 313

SARA 311/312 Hazardous Category No

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure No

Reactive Hazard No

Clean Water Act N/A

Clean Air Act N/A

OSHA N/A

CERCLA N/A

California Proposition 65 N/A

16. OTHER INFORMATION

Prepared By: Erba Diagnostics' Regulatory Affairs

Revision Date 12/10/14

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release; it is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Multicell3 Diluent, Multicell LV
Catalog Number(s) R631200
Recommended Use Hematology Reagent

Company Information
 Erba Diagnostics
 14100 NW 57th Court
 Miami Lakes, FL 33014
 Telephone: 305-418-2320

2. HAZARD(S) IDENTIFICATION

Route of Entry/Exposure Skin Contact Eye Contact Inhalation Ingestion

Effects of acute exposure
 Skin Contact: May cause irritation
 Eye Contact: May cause irritation
 Inhalation: May cause irritation
 Ingestion: May be harmful if swallowed.

Effects of chronic exposure None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Weight %
Buffered Sodium Chloride Solution	N/A	100%

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200), a chemical is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1 % or more of a carcinogen. The product does NOT contain hazardous material(s) in excess of these amounts.

4. FIRST AID MEASURES

Eye Contact Flush eyes thoroughly with water. If irritation occurs, seek medical attention.
Skin Contact Wash affected area with water for at least 15 minutes
Inhalation Move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately.
Ingestion Seek medical attention if swallowed.

5. FIRE-FIGHTING MEASURES

Flammable No
Flash point N/A
Extinguishing media Use alcohol-resistant foam, carbon dioxide water or dry chemical spray. Use water spray to cool fire-exposed containers.
Auto-ignition temperature N/A
Upper/Lower flammable limit N/A
Hazardous combustion products None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Protect eyes and mucous membranes from contact. Use good laboratory practice.
Environmental Precautions Contain spill to prevent contamination of surrounding areas. Do not flush down the drain.
Leak and spill procedure Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous waste.

7. HANDLING AND STORAGE

Handling	No special precautions required. Use good laboratory practice
Storage	Keep container tightly closed away from acids. Store at room temperature

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Eye/Face Protection	Safety goggles, glasses, or face shield recommended.
Skin Protection	Latex or equivalent gloves recommended
Respiratory Protection	Under normal use conditions, no respiratory protection is required.
Engineering Measures	Use in well ventilated areas.
Exposure Guidelines	Avoid long or repeated exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear colorless solution
Odor	Sharp odor
Odor Threshold	No data available
pH	Not data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.01
Evaporation Rate	No data available
Melting Point	No data available
Boiling Point	> 100°C
Solubility in Water	Complete

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and pressures.
Hazardous Polymerization	None
Incompatible Materials	None
Hazardous Decomposition Products	None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Irritation	No data available
Synergistic Products:	No data available
LD50: MOPSO:	No data available

Chronic Toxicity

Carcinogenicity	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP, OSHA
Sensitization to Product:	No data available
Mutagenic Effects	No data available
Reproductive/Developmental/ Teratogenic Effects	No data available
Other Adverse Effects	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
--------------------	-------------------

13. DISPOSAL INFORMATION

Waste Disposal Methods Dispose according to all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT

TDG

IATA

IMDG/IMO

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG, or European ADR

15. REGULATORY INFORMATION

TSCA N/A

SARA 313

SARA 311/312 Hazardous Category No

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure No

Reactive Hazard No

Clean Water Act N/A

Clean Air Act N/A

OSHA N/A

CERCLA N/A

California Proposition 65 N/A

16. OTHER INFORMATION

Prepared By: Erba Diagnostics' Regulatory Affairs

Revision Date 12/10/14

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release; it is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CD Clean/Enzymatic Deproteinizer
Catalog Number(s) R610400
Recommended Use Hematology Reagent

Company Information Erba Diagnostics
 14100 NW 57th Court
 Miami Lakes, FL 33014
 Telephone: 305-418-2320

2. HAZARD(S) IDENTIFICATION

Route of Entry/Exposure Skin Contact Eye Contact Inhalation Ingestion

Effects of acute exposure Skin Contact: May cause irritation
 Eye Contact: May cause irritation
 Inhalation: May cause irritation
 Ingestion: May be harmful if swallowed.

Effects of chronic exposure None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	Weight %
Proprietary solution	N/A	> 99.0%
2-Phenoxyethanol	122-99-6	< 1.0%

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200), a chemical is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1 % or more of a carcinogen. The product does NOT contain hazardous material(s) in excess of these amounts.

4. FIRST AID MEASURES

Eye Contact Flush eyes thoroughly with water. If irritation occurs, seek medical attention.
Skin Contact Wash affected area with water for at least 15 minutes
Inhalation Move exposed individual to fresh air. If individual is not breathing, begin artificial respiration immediately.
Ingestion Seek medical attention if swallowed. May cause nausea.

5. FIRE-FIGHTING MEASURES

Flammable No
Flash point N/A
Extinguishing media Use alcohol-resistant foam, carbon dioxide water or dry chemical spray. Use water spray to cool fire-exposed containers.
Auto-ignition temperature N/A
Upper/Lower flammable limit N/A
Hazardous combustion products None

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Protect eyes and mucous membranes from contact. Use good laboratory practice.
Environmental Precautions Contain spill to prevent contamination of surrounding areas. Do not flush down the drain.
Leak and spill procedure Dispose through a sanitary sewer, or use absorbent material and dispose as non-hazardous waste.

7. HANDLING AND STORAGE

Handling	No special precautions required. Use good laboratory practice
Storage	Keep container tightly closed. Store at room temperature

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Eye/Face Protection	Safety goggles, glasses, or face shield recommended.
Skin Protection	Latex or equivalent gloves recommended
Respiratory Protection	Under normal use conditions, no respiratory protection is required.
Engineering Measures	Use in well ventilated areas.
Exposure Guidelines	Avoid long or repeated exposure

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance	Clear colorless solution
Odor	No data available
Odor Threshold	No data available
pH	8.55-8.95
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	1.01
Evaporation Rate	No data available
Melting Point	No data available
Boiling Point	> 100°C
Solubility in Water	Complete

10. STABILITY AND REACTIVITY

Stability	Stable at normal temperatures and pressures.
Hazardous Polymerization	None
Incompatible Materials	None
Hazardous Decomposition Products	None

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Irritation	No data available
Synergistic Products:	No data available
LD50: MOPSO:	No data available

Chronic Toxicity

Carcinogenicity	Contains no ingredients listed as potential carcinogens by ACGIH, IARC, NTP, OSHA
Sensitization to Product:	No data available
Mutagenic Effects	No data available
Reproductive/Developmental/ Teratogenic Effects	No data available
Other Adverse Effects	None known

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
--------------------	-------------------

13. DISPOSAL INFORMATION

Waste Disposal Methods Dispose according to all local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT

TDG

IATA

IMDG/IMO

Transportation of this product not regulated according to the definition of hazardous in 49CFR (US DOT). Transportation of this product is also not regulated by IATA, ICAO, Canadian TDG, or European ADR

15. REGULATORY INFORMATION

TSCA N/A

SARA 313

SARA 311/312 Hazardous Category No

Acute Health Hazard No

Chronic Health Hazard No

Fire Hazard No

Sudden Release of Pressure No

Reactive Hazard No

Clean Water Act N/A

Clean Air Act N/A

OSHA N/A

CERCLA N/A

California Proposition 65 N/A

16. OTHER INFORMATION

Prepared By: Erba Diagnostics' Regulatory Affairs

Revision Date 12/10/14

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release; it is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.