



**Abbott**

**Release Date:** 3/18/24

<b>REF</b>	
<b>GTIN</b>	Product Name

<b>07P5320</b> <b>00380740121686</b>	<i>Alinity c ICT Sample Diluent</i>
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Components:

<b>07P53/R1</b>	<b>Alinity c ICT Sample Diluent</b>
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Abbott Customers:

For additional information, please contact your Abbott Customer Support Center Representative by calling 1-800-527-1869, 1-800-323-9100, or 1-800-235-5396.

Abbott employees:

For additional information relative to the content of the SDSs, please contact your local Safety Representative.



# Safety Data Sheet

according to OSHA Hazard Communication standard 29CFR 1910.1200

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Last alteration on 03/18/2024

## 1 Identification

- **Product name:** Alinity c ICT Sample Diluent
- **ADD List number:** 07P53/R1
- **Application of the substance / mixture:** For In Vitro Diagnostic Use
- **Manufacturer / Supplier:**  
Abbott Diagnostics  
100 Abbott Park Road  
Abbott Park, IL 60064-3500  
  
Phone: 1-877-4 ABBOTT
- **Department issuing SDS:** Abbott Diagnostics Environmental Health and Safety
- **Emergency telephone number**  
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 675805.  
Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The classification was made according to U.S. OSHA 29 CFR 1910.1200 and 1910.1030 and applicable European regulations, and is expanded upon from supplier company and/or literature data.  
Aquatic Acute 3 H402 Harmful to aquatic life.
- **Label elements**
- **GHS label elements:** The product is labelled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:** none
- **Signal word:** none
- **Hazard statements:**  
H402 Harmful to aquatic life.
- **Precautionary statements:**  
P273 Avoid release to the environment.  
P501 Dispose of contents / container in accordance with local regulations.
- **Routes of Exposure:**
  - Skin: No adverse effects expected when used as directed.
  - Eye: No adverse effects expected when used as directed.
  - Inhalation: No adverse effects expected when used as directed.
  - Ingestion: No adverse effects expected when used as directed.
- **Health:** No adverse effects expected if used as directed.
- **Fire:** Noncombustible
- **Reactivity:** Minimal hazard - Stable, even in a fire. Not reactive with water. Not an oxidizer.



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**Product name: Alinity c ICT Sample Diluent**

## 3 Composition/information on ingredients

· **Chemical characterization:** Mixture of chemical and/or biological substances for in vitro diagnostic use.

· **Hazardous chemical ingredients per U.S. OSHA criteria (29 CFR 1910.1200 Hazard Communication):**

CAS: 77-86-1	Tris hydroxymethyl aminomethane	5.634%
CAS: 64-19-7	Acetic acid	2.877%
	Proprietary	0.001%

## 4 First-aid measures

- **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.
- **Most important symptoms and effects, both acute and delayed:** Kidney effects
- **Medical conditions aggravated by exposure:** Pre-existing kidney ailments

## 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 a NFPA/NIOSH approved positive-pressure, self-contained breathing apparatus.



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## Product name: Alinity c ICT Sample Diluent

### 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

#### Precautions for safe handling:

Avoid direct contact with material. If handled, wash thoroughly. Practice general safety precautions.

Information about protection against explosions and fires: The product is not flammable.

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

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/personal protection

#### Components with Occupational Exposure Limits

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

**CAS: 64-19-7 Acetic acid (2.877 %)**

PEL TWA: 25 mg/m<sup>3</sup>, 10 ppm



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## Product name: Alinity c ICT Sample Diluent

REL	STEL/C: 37 mg/m <sup>3</sup> , 15 ppm TWA: 25 mg/m <sup>3</sup> , 10 ppm
TLV	STEL/C: 15 ppm TWA: 10 ppm

· **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.

· **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 NIOSH-approved air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use NIOSH/NFPA-approved respiratory protection.

· **Hand protection:**

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 spatters 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.

## 9 Physical and chemical properties

· **General Information**

- **Color:** Colorless
- **Odor:** Characteristic
- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Not determined
- **Flammability (solid, gaseous)** Not applicable



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## Product name: Alinity c ICT Sample Diluent

- **Explosion limits**
- **Lower:** Not determined
- **Upper:** Not determined
- **Flash point** Not applicable
- **pH-value at 20 °C (68 °F)** 6.5
- **Dynamic:** Not determined
- **Solubility in / Miscibility with**
- **Water:** Fully miscible
- **Vapor pressure:**
- **Density at 20 °C (68 °F)** 1.075 g/cm<sup>3</sup> (8.9709 lbs/gal)
- **Form:** Solution
- **Auto igniting** Product is not self-igniting.
- **Danger of explosion** Product does not present an explosion hazard.
- **Water:** 76.5 %
- **Solids content:** 0.0 %
- **Evaporation rate:** Not determined

## 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** Based on available data, the classification criteria are not met.
- **LD50/LC50 values for hazardous ingredients per OSHA criteria:**

<b>Ingredients (100% pure substance/s):</b>		
<b>CAS: 77-86-1 Tris hydroxymethyl aminomethane</b>		
Oral	LD50	5,900 mg/kg (rat)
	LDLo	1,000 mg/kg (rabbit)
<b>CAS: 64-19-7 Acetic acid</b>		
Oral	LD50	3,310 mg/kg (rat)
Dermal	LD50	1,060 mg/kg (rabbit)
Inhalation	LC50 1 h	5,620 ppm (mouse)



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## Product name: Alinity c ICT Sample Diluent

Mutagenicity	(Ames Assay)
Target Organ Effects	(human) Workers exposed to 60 ppm 8 hours a day were found to have conjunctivitis, bronchitis, pharyngitis, and erosion of exposed teeth.

- **Skin irritation:** Based on available data, the classification criteria are not met.
- **Eye irritation:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

· **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>
None of the ingredients is listed.

· <b>NTP (National Toxicology Program)</b>
None of the ingredients is listed.

· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
None of the ingredients is listed.

- **Target organs/systems:** Kidneys

## 12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Additional ecological information**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.  
Harmful to aquatic organisms.

## 13 Disposal considerations

- **Recommendation for disposal of unused product:** Dispose in accordance with federal, state and local regulations.
- **Waste disposal key:**
- **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.



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**Product name: Alinity c ICT Sample Diluent**

· **Recommended cleansing agent:** Water with cleansing agents, if necessary.

## 14 Transport information

· DOT, ADN, IMDG, IATA none

· **UN proper shipping name**

· DOT, ADR, ADN, IMDG, IATA none

· **Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· Class none

· DOT, IMDG, IATA none

· **Environmental hazards**

· Marine pollutant: No

· **Additional information**

· DOT

· Remarks: Not restricted for transportation.

· IMDG

· Remarks: Not restricted for transportation.

· IATA

· Remarks: Not restricted for transportation.

## 15 Regulatory information

· **SARA (Superfund Amendments and Reauthorization Act of 1986 - USA):**

· **Section 302/304 (40CFR355.30 / 40CFR355.40):**

The product does not contain listed substances.

· **Section 313 (40CFR372.65):**

Proprietary

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **California Proposition 65 (USA):**

· **Chemicals known to cause cancer:**

The product does not contain listed substances.

· **Chemicals known to cause female reproductive toxicity:**

None of the ingredients is listed.

· **Chemicals known to cause male reproductive toxicity:**

None of the ingredients is listed.

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**Product name: Alinity c ICT Sample Diluent****Chemicals known to cause developmental reproductive toxicity:**

None of the ingredients is listed.

## 16 Other information

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The information in this Safety Data Sheet (SDS) reflects the most current hazard information for this product.

**Department issuing SDS**

- Abbott Diagnostics Safety, Health and Environmental Assurance  
Department 0571

**Contact**

- General information about this product:  
Abbott Diagnostics  
Technical Support  
100 Abbott Park Road  
Abbott Park, IL 60064-3500

Phone: 1-877-4 ABBOTT

**Date of preparation / last revision 03/18/2024****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)  
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  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
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  
OSHA: Occupational Safety & Health  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit



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Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

· \* Sections marked with an asterisk (\*) have been altered since the previous version.

USA