



Release Date: 6/28/21

REF	Product Name
GTIN	

06P17-25 00054749004966 06P17-26 00054749004973 06P17-24 00054749004959	<i>i STAT TBI Control Level 1&2 and i STAT TBI Calibration Verification Level 1-3</i>
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Components:

TBI CON. LEV. 1 TBI CON. LEV. 2 TBI CAL.VER. LEV.1 TBI CAL.VER. LEV.2 TBI CAL.VER. LEV.3	i-STAT TBI Control Level 1 & 2 / i-STAT TBI Calibration Verification Level 1-3
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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 06/28/2021

1 Identification

· **Product name:** **i-STAT TBI Control Level 1 & 2 / i-STAT TBI Calibration Verification Level 1-3**

· **ADD List number:**

TBI CON. LEV. 1
TBI CON. LEV. 2
TBI CAL.VER. LEV.1
TBI CAL.VER. LEV.2
TBI CAL.VER. LEV.3

· **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 675922.

- 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**

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.

This product has been evaluated per the classification criteria in the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). This product does not meet the criteria for classification in accordance with the GHS.

· **Label elements**

· **GHS label elements:** none

· **Hazard pictograms:** none

· **Signal word:** none

· **Hazard statements:** none

· **Routes of Exposure:**

For bloodborne pathogens and potentially infectious materials:

- non-intact skin

- mucous membranes (which includes, but is not limited to, the lining of the nose, mouth and throat)

- parenteral contact (e.g. by injection, puncture)

· **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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- **NTP (National Toxicology Program)** Reasonably Anticipated To Be Human Carcinogen
- **IARC (International Agency for Research on Cancer)** Group 2A
- **Other hazards**
This product contains potentially infectious material. Refer to the US OSHA Bloodborne pathogens standard (29 CFR 1910.1030) for additional relevant information.

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):**
While this product is not considered hazardous by the criteria in 29 CFR 1910.1200, important information regarding the safe handling, transport and disposal of this product is contained in this SDS.

4 First-aid measures

- **After inhalation:** Remove from source of exposure. Seek medical attention and appropriate follow-up.
- **After skin contact:**
Take off any clothing that the product touched. Wash affected area with soap and water. Seek medical attention and appropriate follow-up.
- **After eye contact:**
Rinse open eye(s) cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention and appropriate follow-up. Wash hands after handling.
- **After swallowing:** Rinse mouth with water. Seek medical attention and appropriate follow-up.
- **Information for Medical Personnel**
This product contains human-sourced and/or potentially infectious material. No known test method can offer complete assurance that products derived from human sources or inactivated microorganisms will not transmit infection. Therefore, all human-sourced material should be considered potentially infectious.

The human-sourced material used in this product has been tested and found to be:
 - Nonreactive for HBsAg (hepatitis B surface antigen)
 - Nonreactive for anti-HCV (antibodies to hepatitis C virus)
 - Nonreactive for HIV-1 Ag or HIV-1 RNA (human immunodeficiency virus type 1 antigen or human immunodeficiency virus type 1 ribonucleic acid)
 - Nonreactive for anti-HIV-1 (antibodies to human immunodeficiency virus type 1)
 - Nonreactive for anti-HIV-2 (antibodies to human immunodeficiency virus type 2)
 - Nonreactive for syphilis bacteria (*Treponema pallidum pallidum*)
- **Most important symptoms and effects, both acute and delayed:** None expected
- **Medical conditions aggravated by exposure:**
Pre-existing respiratory ailments
None known

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.

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- 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.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Handle as a potentially infectious material.

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

Apply a suitable disinfectant. Select a disinfectant that is effective against bloodborne infectious agents, as well as other microbial agents that you might expect to be prevalent in your population. A disinfectant that is effective against Mycobacterium tuberculosis is generally effective against all known viruses and non-sporeforming bacteria, and is suitable for most clinical laboratory situations.

NOTE: Commercial disinfectants must be used according to manufacturer directions. Disinfectants are typically hazardous chemicals that react with many chemicals, materials and living tissues. Obtain and review the manufacturer's safety information before using the disinfectant.

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:** Handle as a potentially infectious material.
- **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.

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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/personal protection

· Components with Occupational Exposure Limits

CAS: 67-56-1 Methanol (1.00 %)

PEL	TWA: 260 mg/m ³ , 200 ppm
REL	STEL/C: 325 mg/m ³ , 250 ppm TWA: 260 mg/m ³ , 200 ppm Skin
TLV	STEL/C: 328 mg/m ³ , 250 ppm TWA: 262 mg/m ³ , 200 ppm Skin; BEI

CAS: 56-75-7 Chloramphenicol (0.10 %)

WEEL	TWA: 0.5 mg/m ³
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· Ingredients with biological limit values:

CAS: 67-56-1 Methanol (1.00 %)

BEI	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
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· 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.

Observe universal precautions and other appropriate biosafety practices for handling potentially infectious material.

· 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

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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

- **Form:** Solution
- **Color:** Amber

- **Odor:** Odorless

· pH-value at 20 °C (68 °F)

7.3

- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Not determined

· Flash point

Not applicable

· Auto igniting

Product is not self-igniting.

· Danger of explosion

Product does not present an explosion hazard.

- **Lower:** Not determined
- **Upper:** Not determined

· Density

Not determined

- **Evaporation rate:** Not determined

· Solubility in / Miscibility with

- **Water:** Not miscible or difficult to mix
- **Dynamic:** Not determined

- **Water:** 40.0 %

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.

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11 Toxicological information

· Acute toxicity

· LD50/LC50 values for hazardous ingredients per OSHA criteria:

· Ingredients (100% pure substance/s):

CAS: 56-75-7 Chloramphenicol

Oral	LD50	500 mg/kg (guinea pig) 1,500 mg/kg (mouse) 2,500 mg/kg (rat) Reproductive effects: 23 gm/kg oral-rat TDLo 1-21 day(s) pregnant female continuous 2500 mg/kg oral-rat TDLo 9 day(s) pregnant female continuous 2500 mg/kg oral-rat TDLo 11 day(s) pregnant female continuous 2 gm/kg oral-rat TDLo 8 day(s) pregnant female continuous
	TDLo (Carcinogen)	400 mg/kg/d (human) 400 mg/kg oral - woman LDLo 440 mg/kg oral - infant LDLo
Dermal	TDLo (Carcinogen)	30 mg/kg/d (human) 30 mg/kg/3days intermittent intravenous - infant LDLo 150 mg/kg/2days intramuscular - infant LDLo
	Mutagenicity	(human) unscheduled DNA synthesis - human liver 1 mmol/L DNA inhibition - human bone marrow 1500 umol/L DNA inhibition - human lymphocyte 1 mmol/L cytogenetic analysis - human leukocyte 100 mg/L cytogenetic analysis - human lymphocyte 500 mg/L
	Target Organ Effects	(human) immune system (blood), immune system (sensitizer). Chronic exposure: Repeated or prolonged contact may cause local irritation with burning or itching, angioneurotic edema, urticaria, vesicular and maculopapular dermatitis and anaphylaxis in sensitive individuals. Blood dyscrasias and bone marrow hypoplasia including aplastic anemia and death have been reported following local application. Hematopoietic reactions may occur at some time after exposure is discontinued. Repeated exposure may cause sensitization to occur. Prolonged use of eyedrops containing chloramphenicol has been reported to cause hypoplasia of the bone marrow and death due to aplastic anemia. Optic neuritis with atrophy and blindness has been reported due to prolonged systemic administration of high doses. Irreversible aplasia may occur following repeated or prolonged therapy or long after therapy has been discontinued. Blood dyscrasias may include hemolysis of red blood cells, erythroid hypoplasia, agranulocytosis.

· Primary toxicological effects of the final product:

· Skin irritation: No irritant effect.

· Eye irritation: No irritant effect.

· Sensitization: No sensitizing effects known.

· Additional toxicological information: None



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· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· **Target organs/systems:** Unknown

12 Ecological information

· **Aquatic toxicity:** No further relevant information available.

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course, or 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 federal, state and local regulations and institutional requirements. The following may be particularly important when identifying appropriate disposal:

- Potentially infectious. See Section 4, Information for Medical Personnel, for more information.
- See Section 6 for information when institutional or regulatory requirements include any sort of treatment of potentially infectious waste.

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

14 Transport information

· **DOT, ADN, IMDG, IATA** none

· UN proper shipping name

· **DOT, ADN, IMDG, IATA** none

· Transport hazard class(es)

· **DOT, ADN, IMDG, IATA**

· **Class** none

· **DOT, IMDG, IATA** none

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Product name: i-STAT TBI Control Level 1 & 2 / i-STAT TBI Calibration Verification Level 1-3

· 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):

CAS: 143-33-9 sodium cyanide

· Section 313 (40CFR372.65):

CAS: 67-56-1 Methanol

CAS: 143-33-9 sodium cyanide

· Hazardous Air Pollutants

CAS: 67-56-1 Methanol

CAS: 143-33-9 sodium cyanide

· 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:

CAS: 143-33-9 sodium cyanide

· Chemicals known to cause developmental reproductive toxicity:

CAS: 67-56-1 Methanol

CAS: 3810-74-0 Streptomycin sulphate

16 Other information

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• **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** 06/28/2021 / 1

• **Abbreviations and acronyms:**

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
BEI: Biological Exposure Limit

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