

 EXPRESS BIOTECH INTERNATIONAL (XpressBio)	Safety Data Sheet For all research reagents manufactured by XpressBio with catalog number 827102 Effective date: September 2025 Revision B
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1-Product and Company Identification

Product Name: Wash Buffer (20X)
Company Name: Express Biotech International (XpressBio)
Address: 4650 Wedgewood Blvd, Suite 103
 Frederick, MD 21703, USA
Phone number: (301) 228-2444
Fax number: (301) 560-6570
Emergency phone number: Contact national poison control in your state or country.
Recommended Use: For research use only. Not for diagnostic use.

2-Hazard(s) Identification

Hazard Classification:
 Non-Hazardous
Signal Word:
 None
Hazard Statements:
 None
Pictogram:
 None
Precautionary Statements:
 None
Other Hazards:
 None

3-Composition/Information on Ingredients

This product contains no substances at their given concentrations that are considered to be hazardous to health.

Chemical	Concentration	CAS Number	EC Number
Sodium Chloride	17.5%	7647-14-5	231-598-3
Trizma Base	2.4%	77-86-1	201-064-4
Tween 20	4.3%	9005-65-6	500-019-9

4-First-Aid Measures

The following general first aid measures apply to this product:

Inhalation:

If inhaled, moved to fresh air. Consult a physician if symptoms persist.

Skin contact:

Rinse with water for several minutes. Immediate medical attention is not necessary. Consult a physician if symptoms persist.

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Eye contact:

Rinse with water for several minutes. Remove contact lenses if easy to do so. Consult a physician if symptoms persist.

Ingestion:

Not expected to be an ingestion hazard under normal use and conditions. Consult a physician if necessary.

Most important symptoms:

Not applicable.

Immediate medical attention and special treatment:

None.

5-Fire-fighting measures

Extinguishing media:

Suitable extinguishing media: Water spray. Carbon dioxide. Foam. Dry chemical

Unsuitable extinguishing media: No information available.

Specific hazards:

No known specific hazards.

Specific methods of firefighting:

In the event of a fire, follow standard procedure for chemical fires.

6-Accidental Release Measures

Personal precautions and protective equipment:

Ensure adequate ventilation. Use recommended Personal Protective Equipment. See section 8 for additional information.

Emergency procedures:

Use protective equipment.

Methods and materials for containment and cleanup:

Use inert absorbent material to soak up spills.

Environmental precautions:

Collect absorbent and place into suitable containers for proper disposal in accordance with applicable waste disposal regulation. Do not flush to sewers, storm drains, surface waters, and soil.

7-Handling and Storage

Precautions for safe handling:

Use Personal Protective Equipment as required.

Conditions for safe storage, including incompatibilities:

Keep in a dry, cool, well ventilated area. Ensure containers are properly labeled.

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8-Exposure Control / Personal Protection

Occupational exposure limits:

There are no established exposure limits for this product.

Engineering controls:

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eye and Face Protection:

Wear safety glasses with side shield, or full-face shield if eye contact is likely. The choice of protection should be based on the job activity and potential for exposure to eyes and face.

Respiratory protection:

In case of insufficient ventilation, wear appropriate respirators and components approved by government.

Skin and body protection:

Wear appropriate clothing. The choice of skin protection should be based on the job activity and potential for exposure to the skin.

Hygiene measures:

Wash hands immediately after handling materials (especially before eating, drinking or smoking). Decontaminate or discard protective equipment after each use.

Remove personal protective equipment when leaving work area.

9-Physical and Chemical Properties

Information for physical and chemical properties –

Appearance: Liquid

Upper/lower flammability or explosive limits: No data available

Odor: No data available

Vapor pressure: No data available

Odor threshold: No data available

Vapor density: No data available

pH: No data available

Relative density: No data available

Melting point/freezing point: No data available

Solubility(ies): No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

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10-Stability and Reactivity

Reactivity:

No known reactivity.

Chemical stability:

Stable under normal use and conditions.

Hazardous reactions:

No known hazardous reactions.

Conditions to avoid:

No information available.

Incompatible materials:

None known under normal use and conditions.

Hazardous decomposition:

No information available.

11-Toxicological information

Information for toxicological effects:

There is currently no data available that identifies any delayed, immediate, or chronic effects of short-term or long-term exposure.

Toxicity Measurements:

No data available.

Description of symptoms:

No data available.

Carcinogenicity:

No data available.

12-Ecological information

Toxicity:

No testing data available.

Degradability:

No testing data available.

Bioaccumulation potential:

No testing data available.

Soil and groundwater effects:

No testing information available.

Other adverse effects:

No testing data available.

13-Disposal Considerations

Dispose of materials in this kit according to Federal, State and Local Requirements. Use proper technique and PPE (refer to Section 8) for disposal.

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14-Transport information

Classifications for land, air, and sea transport:

UN number: Not regulated.

UN shipping name: Not regulated.

Transport hazard class: Not regulated.

Packing group: Not regulated.

Environmental hazards: Not regulated.

Bulk transport in accordance with Annex II of MARPOL 73/78: Not regulated.

Special user precautions: Not regulated, no information available.

15-Regulatory Information

United States Regulatory Information

SARA 313: Not listed.

16-Other Information

Recommended use:

This product is for **Research Use Only**, not for diagnostic use.

SDS Revision date: September 24, 2025

Reason for revision: Update information.

Others:

The above information is based on data available to XpressBio and is believed to be correct. Since the information may be applied under conditions beyond the control of XpressBio and with which the company may be unfamiliar, XpressBio does not assume any responsibility for the results of its use and all persons receiving it shall make their own determination of the effects, properties, and protections, which pertain to their particular conditions.

No representation, warranty, or guarantee, express or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the material, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material.

End of Safety Data Sheet