

Safety Data Sheet

Control Number: 907-022

Non-Hazardous Products containing Proclin

February 15, 2018

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1. Product and Company Identification

Product(s) 4plus Biotinylated Universal Goat Link (GU600)
4plus Streptavidin HRP Label (HP604)
Antigen Decloaker, 10X (CB910)
Aqua DePar, 10X (ADP1002)
Avidin-Biotin Kit (Blocking Reagent) (AB972, BRR972A)
Background Eraser (BE965)
Background Punisher (BP974)
Background Sniper (BS966)
Bajoran Purple Buffer (BJP811BF)
Borg Decloaker (BD1000, BRR1000A)
Bull's Eye Decloaker, 20X (BULL1000)
Denaturing Solution A (DNSA, BRR006, BRR025)
Denaturing Solution B (DNSB, BRR019, BRR075)
Dewax Solution Buffer, DS2 (ORI6048)
Digoxigenin anti-Human Linker (BRR4053)
EDTA Decloaker, 5X (CB917)
Goat Anti-Mouse (GM612)
Goat Anti-Mouse Dylight™ 488 (FDM488)
Goat Anti-Mouse Dylight™ 549 (FDM549)
Goat Anti-Mouse Dylight™ 594 (FDM594)
Goat Anti-Mouse IgG (GM601)
Goat Anti-Mouse IgM (GM603)
Goat Anti-Rabbit Dylight™ 488 (FDR488)
Goat Anti-Rabbit Dylight™ 549 (FDR549)
Goat Anti-Rabbit Dylight™ 594 (FDR594)
Goat Anti-Rabbit IgG (GR602)
Goat Anti-Rabbit IgG (GR608)
Goat Anti-Rat IgG (GR607)
Goat AP-Polymer (GAP628)
Goat HRP-Polymer (GH627)
Goat-on-Rodent HRP-Polymer (GH627)
Horseradish Peroxidase Diluent (HD902, HD902a)
Hot Rinse, 25X (HTR1001)
Human Absorption Reagent (BRR4054)
intelliPATH Background Punisher (IP974, IPR974)
intelliPATH Multiplex Secondary Reagent 2 (IPSC5004)
intelliPATH Prion AP Polymer Detection (IPR5029)
intelliPATH Prion Blocker (IPR5028)
intelliPATH Prion Bluing Solution (IPR5032)
intelliPATH Universal HRP Tertiary Reagent (IPT5002)
MACH 1 Universal HRP-Polymer (MRH538)
MACH 2 Double Stain 1 (MRCT523)
MACH 2 Double Stain 2 (MRCT525)
MACH 2 Mouse AP-Polymer (MALP521)
MACH 2 Mouse HRP-Polymer (MHRP520)
MACH 2 Rabbit AP-Polymer (RALP525)
MACH 2 Rabbit HRP-Polymer (RHRP520)
MACH 2 Universal HRP-Polymer (M2U522)
MACH 3 Mouse AP-Polymer (MAP532)
MACH 3 Mouse HRP-Polymer (MH530)
MACH 3 Mouse HRP-Polymer (MH540)
MACH 3 Rabbit AP-Polymer (RAP533)
MACH 3 Rabbit HRP-Polymer (RH531)
MACH 4 Universal AP-Polymer (MRAP536)
MACH 4 Universal HRP-Polymer (MRH534)
Mopping Reagent (MMMR611)

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Mouse anti-Digoxigenin (BRI4049)
Mouse AMP HRP Detection (ORI6050)
Mouse anti-Digoxigenin Secondary (BRR4055)
Mouse AP Detection (ORI6044)
Mouse HRP Detection (ORI6007)
Mouse Linker (BRR4058)
Mouse-on-Canine AP-Polymer (BRR4003)
Mouse-on-Canine HRP-Polymer (MC541)
Mouse-on-Farma AP-Polymer (BRR4010)
Mouse-on-Farma HRP-Polymer (BRR4002)
Mouse-on-Mouse AP-Polymer (MM624)
Mouse-on-Mouse HRP-Polymer (MM620)
Mouse-&-Rabbit-on-Rodent Double Stain Polymer (RDS513)
Mouse-on-Rat AP Polymer (MRT623)
Mouse-on-Rat HRP Polymer (MRT621)
Multiplex Detection 2 (ORI6045)
Negative Control Mouse IgG (NC494)
Negative Control Mouse IgG1 (NC490)
Negative Control Rabbit IgG (NC495)
Protease XXIV (PR958)
Protease XXIV Reconstitution Buffer (PRB959)
Rabbit anti-Biotin (BRI4037)
Rabbit anti-Digoxigenin (BRR4059)
Rabbit AP Detection (ORI6043)
Rabbit HRP Detection (ORI6008)
Rabbit-on-Canine AP-Polymer (BRR4004)
Rabbit-on-Canine HRP-Polymer (RC542)
Rabbit-on-Farma AP-Polymer (BRR4011)
Rabbit-on-Farma HRP-Polymer (BRR4009)
Rabbit-on-Rodent AP-Polymer (RMR625)
Rabbit-on-Rodent HRP-Polymer (RMR622)
Rat HRP-Polymer, 1-Step (Mouse adsorbed) (BRR4016)
Rat-on-Mouse AP-Polymer (RTAP631)
Rat-on-Mouse HRP-Polymer (RTH630)
Reveal Decloaker RTU (RV1000, BRR1000C)
Reveal Decloaker, 10X (RV1000X, BRR1000D)
RISH™ AP Tertiary Reagent (RI0212)
RISH™ HRP Tertiary Reagent (RI0204)
ISH HRP Tertiary Reagent (ONCORE) (ORI6026)
RISH™ Secondary Reagent (RI0203)
RISH™ Dual Secondary Reagent (RI0205)
ISH Secondary Reagent (ONCORE) (ORI6025)
RISH™ Dual Tertiary Reagent (RI0206)
Rodent Block M (RBM961)
Rodent Block R (RBM962)
Rodent Decloaker, 10X (RD913)
Romulin AEC Buffer (RAEC810BF)
SSC Wash Buffer (BRI4039, ORI4039)
Tacha's Bluing Solution (HTBLU, HTBLUX)
TrekAvidin AP Label (STALP700)
TrekAvidin HRP Label (STHRP700)
Trekkie Mouse Link (STM700)
Trekkie Rabbit Link (STR700)
Trekkie Universal Link (STU700)
Universal Decloaker, 10X (UD1000)
V-Blocker (BRI4001, BRR4001)
Wash Buffer (ORI6012)
XM Factor (XMF963)

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XR Factor (XRF964)

Related Product Kit 4plus HRP Universal Detection (HP504U)
Bajoran Purple Chromogen Kit (BJP811)
Denaturing Solution (DNS0001, BRR001D)
Dewax Solution Kit (ORI6004K)
Goat-on-Rodent AP-Polymer (GAP514)
Goat-on-Rodent HRP-Polymer (GHP516)
Human-on-Human HRP-Polymer (BRR4056K)
intelliPATH FLX™ Universal HRP Detection Kit, 80-100 tests (IPK5003)
intelliPATH™ Universal HRP Detection Kit (IPK5011)
ISH HRP Detection Kit for Biotinylated Probes (BRI4038K)
ISH HRP Detection Kit for Digoxigenin Labeled DNA Probes (BRI4050K)
MACH 1 Universal HRP-Polymer Detection Kit (M1U539)
MACH 3 Mouse AP-Polymer Detection (M3M532)
MACH 3 Mouse HRP-Polymer Detection (M3M530)
MACH 3 Rabbit AP-Polymer Detection (M3R533)
MACH 3 Rabbit HRP-Polymer Detection (M3R531)
MACH 4 Universal AP-Polymer Kit (M4U536)
MACH 4 Universal HRP-Polymer (M4U534)
MACH 4 Universal HRP-Polymer Detection System (BRI4012)
MM Biotinylation System (MMBK)
MM HRP Digoxigenin System (BRR4061K)
Mouse-on-Mouse HRP-Polymer Bundle (MM510)
Mouse-on-Rat HRP-Polymer Bundle (MRT511)
Prion IHC Assay Kit A (IPR5030K)
Prion IHC Assay Kit B (IPR5033K)
Protease XXIV (PR960K)
Rat Detection Kit for Anti-Mouse CD31 (RT517S)
Rat-on-Mouse AP-Polymer (RT518)
Rat-on-Mouse HRP-Polymer (RT517)
RISH™ AP Detection Kit (RI0213)
RISH™ Dual Detection Kit (RI0208)
RISH™ HRP Detection Kit (RI0207)
ISH HRP Detection Kit for ONCORE (ORI6047K)
Romulin AEC Chromogen System (RAEC810)
Starr Trek Universal AP Detection System (STUALP700)
Starr Trek Universal HRP Detection System (STUHRP700)

Intended Use & Restrictions Immunohistochemistry reagent intended for use by professional laboratory personnel that have been properly trained in its use.

Company Information Biocare Medical, LLC
4040 Pike Lane
Concord, CA 94520
United States
Tel: +1 800-799-9499 (7AM–5PM, PST, Mon-Fri)
Fax: +1 925-603-8080
Web: www.biocare.net

24-Hour Emergency Contact CHEMTREC
+1 800-424-9300 (USA and Canada only)
+1 703-527-3887 (all other countries)

2. Hazards Identification

Emergency Overview This product has been classified as non-hazardous based on the physical and/or chemical nature and/or concentration of ingredients.

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Product has little to no hazards for Emergency Responders if spilled and has no unusual hazard if in a fire.

OSHA Hazards Not Hazardous

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

GHS Classification Not Hazardous
Signal words, Symbol, Hazard & Precautionary Statements

Potential Health Effects

Skin Contact May be harmful if exposed to skin. May cause skin irritation, itching, redness or inflammation.

Eye Contact May be harmful if exposed to eyes. May cause eye irritation, watering eyes, stinging or burning sensation.

Inhalation May be harmful if inhaled. May cause respiratory tract irritation, headache, dizziness, nausea or coughing.

Ingestion May be harmful if swallowed. May cause irritation of gastrointestinal tract, nausea, or vomiting.

See Section 11: Toxicological Information for additional information.

Environmental Effects None identified.
See Section 12: Ecological Information for additional information.

3. Composition / Information on Ingredients

Chemical Name	Synonyms	% Composition	CAS Number
Proclin 300 (Solution of 5-Chloro-2-methyl-4-isothiazolin-3-one [2.3%] and 2-Methyl-2H - isothiazol-3-one [0.7%])	CIT, MIT	0-0.04%	26172-55-4 2682-20-4
Proclin 950 (Solution of 2-Methyl-2H-isothiazol-3-one [9.9%])	MIT	0-0.5%	2682-20-4
Proprietary Composition, multiple components	N/A	< 1% each	N/A
Water	N/A	>99%	7732-18-5

Note: It has been determined that the remaining ingredients of this product are not classified as hazardous according to the Federal OSHA Hazardous Communication Standard (29 CFR 1910.1200) or the Globally Harmonized System of Classification and Labeling of Chemicals

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4. First Aid Measures

- General Advice** Avoid further exposure to product. Consult a physician.
- In case of skin contact** Wash exposed area with soap and plenty of water. Remove any contaminated clothing. Seek medical attention.
- In case of eye contact** Wash eyes with plenty of water for at least 15 minutes. Have victim remove contact lenses. Be sure to wash under eyelids. Seek medical attention.
- If inhaled** Remove victim to well-ventilated area. If victim is not breathing, give artificial respiration. Seek medical attention.
- If swallowed** If victim is conscious, rinse mouth with water. Do not give anything to an unconscious victim. Seek medical attention.

5. Fire Fighting Measures

- Suitable Extinguishing Media** Water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Use extinguisher media appropriate for surrounding fire.
- Special Protective Equipment for Firefighters** Wear self-contained breathing apparatus and protective clothing to prevent contact with eyes and skin.
- Special Exposure Hazards** None identified.

6. Accidental Release Measures

- Personal Precautions** Use of personal protective equipment is recommended as described in Section 8. Isolate hazard area and deny entry to unprotected personnel.
- Environmental Precautions** Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways.
- Methods for containment and clean up** Small spills may be contained and cleaned-up with paper towels or absorbent pads. Absorb large spills with sand or vermiculite and place in a closed container for waste disposal. Avoid physical contact during removal.

7. Handling and Storage

- Precautions for Safe Handling** Avoid contact with eyes, skin and clothing. Do not ingest. Wash hands thoroughly after use.
- Conditions for Safe Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure Controls / Personal Protection

- Permissible Exposure Limits** Proclin 300 and Proclin 950 do not have occupational exposure limit values.
- Engineering Controls** No special controls needed.
- Personal Protective Equipment**
- Eye Protection** Wear chemical splash goggles and/or face shield when eye and face contact is possible due to splashing or spraying of material.
- Skin Protection** Use chemically resistant gloves and a lab coat with sleeves.

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Respiratory Protection Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.

General Hygiene Measures Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating or drinking.

9. Physical and Chemical Properties

Appearance	Clear solution. May be colorless or colored (green, red, yellow, tan), depending upon the specific product.
Odor	None
pH (as supplied)	Various
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific gravity	No data available
Solubility (in water)	Soluble
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition Temperature	No data available

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions (see Section 7).
Conditions to avoid	None identified.
Materials to avoid	None identified.
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions: carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen chloride gas.
Possibility of hazardous reactions	No data available.

11. Toxicological Information

Acute dose effects	No data available
Repeat dose effects	No data available
Skin irritation	Not determined

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Skin and respiratory sensitization Not determined

Eye irritation Not determined

Carcinogenicity No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity No data available

Reproductive effects No data available

Developmental effects No data available

Target organ effects No data available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated at product concentrations.

12. Ecological Information

Ecotoxicity No data available

Persistence and degradability No data available

Bioaccumulation/accumulation No data available

Mobility in environmental media No data available

Other hazardous effects May be harmful to the environment, particularly aquatic organisms.

13. Disposal Considerations

Product Disposal should be in accordance with applicable national, state, and local laws and regulations. Local regulations may be more stringent than national or state requirements. Verify local and state regulations before discharging into public sewers or landfills. Do not dump into any body of water. Contact a licensed professional waste disposal service for appropriate methods of disposal.

Contaminated packaging Dispose of as unused product.

14. Transportation Information

Proper shipping name Not applicable

Technical name Not applicable

Hazard class Not applicable

Identification number Not applicable

Packing group Not applicable

DOT (US) Not regulated

IMDG Not regulated

IATA Not regulated

TDG Not regulated

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15. Regulatory Information

Inventory Status

United States (TSCA) All ingredients are on the inventory or exempt from listing.

Canada (DSL / NDSL) All ingredients are on the inventory or exempt from listing.

SARA 302 Components No chemicals in this product are subject to reporting requirements.

SARA 313 Components No chemicals in this product are subject to reporting requirements.

SARA 311/312 Hazards Proclin 300: Acute health hazard
Proclin 950: Acute health hazard

California Prop. 65 components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Sources and Suitability The above information was obtained from sources available at the time of revision and believed to be accurate and reliable. The information included is not intended to be all inclusive and should only be used as a guide. Biocare shall not be held liable for any damage resulting from use, handling, or contact with the above product.

Revision Date February 15, 2018
(All SDS's before this date should be discarded.)

Replaces Revision January 22, 2018. This SDS has been updated to reflect current hazard information and product formulations.
Note: Before using this product, please visit the Biocare Medical website at <http://biocare.net> for the current version of this SDS.