

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 1 of 11

Revision date: 02.21.2024

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****Product identifier:****Precast agarose gels cassettes (enclosed in styrene plastic):**

~ 10ml agarose gel and ~10 ml Tris-TAPS buffer per cassette

**DNA fragments (Fluorescein label) with Ficoll in water in tube:**

&lt;200ug DNA in 400- 600 ul of Tris-TAPS buffer

**Tris-TAPS Electrophoresis buffer in bottle:** ~30 ml**1.1 Product name:****PippinHT™ Agarose Gel Cassettes (10 per box)****Cat. No.:****HTG3010, HTC3010, HTG2010, HTG1510, HPE7510, ,  
HPF7510, HRT7510****Other means of ID:**

None

**Hazard components for labelling:** None**REACH Registration:**

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses:**

Used with Gel Electrophoresis of DNA.

**Uses advised against:**

Life sciences research only.

**1.3 Details of the supplier of the safety data sheet:****Supplier:****Sage Science, Inc.  
500 Cumming Center  
Suite 2400  
Beverly, MA 019195  
Tel: 978-922-1832  
E-Mail : support@sagescience.com****1.4 EMERGENCY TELEPHONE NUMBER:****(US) 1-978-922-1832****EU Importers and Representatives are at listed at the end of this document.**

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 2 of 11

Revision date: 02.21.2024

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture: Classification in accordance with 1272/2008

Upon assessment, this mixture is not classified as hazardous according to 1272/2008.

### 2.2. Label elements

#### Label information in accordance with 1272/2008

Hazard pictograms: Not applicable

Signal words: Not applicable

Hazard statements: Not applicable

### 2.3. Other hazards

Not relevant.

## SECTION 3: Composition/information on ingredients

The components of this product contains no substances which, at their given aqueous concentrations, are considered to be hazardous to health or ecosystems. We recommend handling all reagents with caution using standard laboratory procedures (gloves and safety glasses).

CAS-No.	EC-No.	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Concentration
<b>Fluorescein</b>			
2312-07-05	219-031-8	Not Classified	0.25ng -1.0 ng/ul
<b>Deoxyribonucleic acid (DNA)*</b>			
9007-49-2		Not Classified	<1 µg
<b>Polysucrose (Ficoll)</b>			
26873-85-8		Not Classified	<30%
<b>Tris(hydroxymethyl)aminomethane (TRIS)</b>			
77-86-1	201-064-4	Not Classified	<5% wt %
<b>3-(Tris(hydroxymethyl)methylamino)propane-1-sulphonic acid (TAPS)</b>			
29915-38-6	249-954-1	Not Classified	<5% wt %
<b>Ethylenediaminetetraacetic acid (EDTA)</b>			
60-00-4	200-449-4	Not Classified	<1% wt%
<b>Agarose</b>			
9012-36-6	232-731-8	Not Classified	0.5-3% wt/vol
<b>Water</b>			
7732-18-5	231-791-2	Not Classified	>75%

\* DNA markers are manufactured with either synthetic oligonucleotides or phage (lambda) or bacterial (e.coli) DNA that has been digested with restriction enzymes. Animal or plant DNA are not used.

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 3 of 11

Revision date: 02.21.2024

**SECTION 4: First Aid measures****4.1 Description of first aid measures****General information**

Standard laboratory protection (coat, glasses and gloves) should be observed.

**Following inhalation**

Aqueous solution, no special measures are necessary. If inhalation occurs seek medical advice.

**Following skin contact**

Normal washing of skin is sufficient. If symptoms occur, seek medical advice.

**Following eye contact**

Rinse eyes thoroughly with water. If symptoms occur, seek medical advice.

**Following ingestion**

Rinse mouth with water. If symptoms occur, seek medical advice.

**Self-protection of the first aider:**

Not applicable.

**4.2 Most important symptoms and effects, both acute and delayed**

No further information is available

**4.3 Indication of any immediate medical attention and special treatment needed**

Not applicable.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Not applicable.

**5.2 Special hazards arising from the substance or mixture**

Not applicable.

**5.3 Advice for fire-fighters**

Not applicable.

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 4 of 11

Revision date: 02.21.2024

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Not applicable

**For emergency responders**

Not applicable

**6.2 Environmental precautions**

Non hazardous. Users should follow procedures and regulations set by their facility with regards to discharge.

**6.3 Methods and material for containment and cleaning up**

Standard materials may be used (i.e paper towels, mop)

**6.4 Reference to other sections**

Not applicable.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Protective measures**

No special measures are required.

**Advice on general occupational hygiene**

Standard laboratory protection (coat, glasses and gloves) should be observed.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Store at room temperature. No special measures are required.

**7.3 Specific end uses**

Dilute 1:10 and use as electrophoresis buffer

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 5 of 11

Revision date: 02.21.2024

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

All ingredients lack occupational exposure limit values

### 8.2 Exposure controls

In terms of minimizing risks, no special attention is needed for this product besides the general obligation that follow EU directive 89/391 and national occupational legislation.

Standard laboratory protection (coat, glasses and gloves) should be observed.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Gel and liquid in sealed styrene or liquid    **Physical state:** Liquid/Gel

**Colour:** Clear or opaque gel    **Odor:** None    **Odor threshold:** Not Applicable

	Value	Concentration	Method	Temperature	Pressure	Remark
pH	Not Applicable					
Melting point/freezing point	Not Applicable					
Initial boiling point/boiling range	Not Applicable					
Flash point	Not Applicable					
Evaporation rate	Not Applicable					
Flammability (solid, gas)	Not Applicable					
Upper/lower flammability or explosive limits	Not Applicable					
Upper explosive limits	Not Applicable					
Lower explosive limits	Not Applicable					
Vapour pressure	Not Applicable					
Vapour density	Not Applicable					
Relative density	Not Applicable					
Solubility(ies)	Not Applicable					
Partition coefficient: n-octanol/water	Not Applicable					
Auto-ignition temperature	Not Applicable					
Decomposition temperature	Not Applicable					
Viscosity	Not Applicable					
Viscosity, dynamic	Not Applicable					
Viscosity, cinematic	Not Applicable					
Explosive properties	Not Applicable					
Oxidising properties	Not Applicable					

9.2 **Other information:** No data available

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 6 of 11

Revision date: 02.21.2024

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Not indicated.

**10.2 Chemical stability**

The product is stable at normal storage and handling conditions

**10.3 Possibility of hazardous reactions**

Not indicated.

**10.4 Conditions to avoid:**

Not indicated.

**10.5 Incompatible materials:**

Not indicated.

**10.6 Hazardous decomposition products:**

Not indicated.

**SECTION 11: Toxicological information****11.1 Acute toxicity**

To the best of our knowledge this product is not acutely toxic

**11.2 Eye damage/irritation**

To the best of our knowledge this product does not cause eye damage. May cause irritation with susceptible persons.

**11.3 Practical experience / human evidence**

In our experience there are no adverse affects from exposure to this product.

**11.4 Sensitisation to the respiratory tract**

To the best of our knowledge this product does not cause irritation to the respiratory tract.

**11.5 Skin sensitisation**

To the best of our knowledge this product does not cause skin irritation.

**11.6 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

To the best of our knowledge this product does not cause any CMR effects.

**11.7 Specific target organ toxicity (repeated exposure)**

To the best of our knowledge this product does not cause organ toxicity

**11.8 Aspiration hazard**

To the best of our knowledge this product is not an aspiration hazard.

**11.9 Symptoms related to the physical, chemical and toxicological characteristics:**

Not Applicable.

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 7 of 11

Revision date: 02.21.2024

**SECTION 12: Ecological information****12.1 Toxicity:****Aquatic toxicity**

No data available

**Sediment toxicity**

No data available

**Terrestrial toxicity**

No data available

**12.2 Persistence and degradability**

No data available on persistence and degradability, but there is no reason to suppose the product is persistent.

**12.3 Bioaccumulative potential**

No data available, but there is no reason to suppose the product bioaccumulates.

**12.4 Mobility in soil**

No data available, but there is no reason to suppose the product is ecologically harmful.

**12.5 Results of PBT and vPvB assessment**

The product and components does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:**

The product and components have a very low global warming potential and no ozone depleting potential.

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 8 of 11

Revision date: 02.21.2024

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Directive 2008/98/EC (Waste Framework Directive)****Before intended use**

Properties of waste which render it hazardous: none

Disposal operations: non hazardous, aqueous, use local regulations when disposing.

Recovery operations: not applicable

Waste code: 16 10 02, Aqueous liquid other than those mentioned in 16 10 01

**After intended use**

Properties of waste which render it hazardous: none

Disposal operations: non hazardous, aqueous, use local regulations when disposing.

Recovery operations: not applicable

Waste code: 16 10 02, Aqueous liquid other than those mentioned in 16 10 01

Polypropylene container can be recycled**SECTION 14: Transport Information**

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), AND (inland waterways), IMDG (sea), and ICAO (IATA) (air) data sheet.

**14.1. UN number**

Not classified as dangerous goods

**14.2. UN proper shipping name**

Not applicable

**14.3. Transport hazard class(es)**

Not applicable

**14.4. Packing group**

Not applicable

**14.5. Environmental hazards**

Not applicable

**14.6. Special precautions for user**

Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable



Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 9 of 11

Revision date: 02.21.2024

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not Applicable

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment is not required.

**SECTION 16: Other information****16.1 Indication of changes**

There are no earlier versions of this document

**16.2 Abbreviations and acronyms**

Not applicable.

**16.3 Key literature references and sources for data**Toxicity data for EDTA were obtained from the Toxicology Data Network provided by the US National Institute of Health (NIH). <https://toxnet.nlm.nih.gov/>**16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]**

This product is not classified.

**16.5 Relevant R-, H- and EUH-phrases (number and full text)**

Not applicable

**16.6 Training advice**

Not applicable

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 10 of 11

Revision date: 02.21.2024

**EU Importers and Suppliers of Sage Science Products****Austria**

Biozym Scientific GmbH  
Steinbrinksweg 27  
D – 31840 Hess. Oldendorf  
Tel : +49 (0)5152 9020  
Email : support@biozym.com

**Belgium**

Sopachem NV  
Begoniastraat 17  
B – 9810 EKE  
Tel : +32 (0)9 245 25 50  
Email : info.be@sopachem.com

**Bulgaria, Croatia, Czech Republic**

ACCELA s.r.o.  
Sluzeb 4  
108 00 Prague 10  
Czech Republic  
Tel: +420 255 700 886  
Email : accel@accela.eu

**Denmark**

BioNordika Denmark A/S  
Produktionsvej 26  
2600 Glostrup  
Tel: +45 39 56 20 00  
Email : info@bionordika.dk

**Estonia**

BioNordika Baltic OU  
Estonia pst 1  
101 43 Tallinn  
Tel : +372 6306 520  
Email : info@bionordika.ee

**Finland**

BioNordika Finland OY  
Sinikalliontie 10  
02630 Espoo  
Tel : +358 9 42 500 710  
Email : info@bionordika.fi

**France**

Ozyme  
Parc d'Activités du Pas du Lac  
10, avenue Ampère  
B.P. 268  
78053 Saint Quentin Yvelines Cedex  
Tel: +33 1 34 60 24 24  
Email : info@ozyme.fr

**Germany**

Biozym Scientific GmbH  
Steinbrinksweg 27  
D – 31840 Hess. Oldendorf  
Tel : +49 (0)5152 9020  
Email : support@biozym.com

**Hungary**

ACCELA s.r.o.  
Sluzeb 4  
108 00 Prague 10  
Czech Republic  
Tel: +420 255 700 886  
Email : accel@accela.eu

**Ireland**

Labtech International Ltd.  
1 Acorn House  
The Broyle  
Ringmer, East Sussex  
BN8 5NN  
United Kingdom  
Tel : +44 (0) 1273 814888  
Email : sales@labtech.com

**Italy**

EuroClone S.p.A.  
Via Figino 20/22  
20016 Pero (Milan)  
Tel : +39 02 381951  
Email : info.bio@euroclone.it

**Latvia, Lithuania**

ACCELA s.r.o.  
Sluzeb 4  
108 00 Prague 10  
Czech Republic  
Tel: +420 255 700 886  
Email : accel@accela.eu

**Luxembourg**

Sopachem NV  
Begoniastraat 17  
B – 9810 EKE  
Tel : +32 (0)9 245 25 50  
Email : info.be@sopachem.com

Trade name: PippinHT™ Agarose Gel Cassettes

Product No: HTG3010, HTC3010, HTC2010, HTC1510, HPE7510, HPF7510, HRT7510

Version: 2.0 / EN

Page 11 of 11

Revision date: 02.21.2024

**EU Importers and Suppliers of Sage Science Products****Netherlands**

Sopachem BV  
44-RI Straat 33  
4051 AP OCHTEN  
The Netherlands  
Tel : +31 (0) 344 655 150  
Email : info.nl@sopachem.com

**Poland**

OpenExome sc  
Bld. Centrum Nauk Biologiczno-Chemicznych UW  
st. Zwirki i Wigury 101 room 5.22  
01-828 Warszawa  
Tel : +48 22 552 67 16  
Email : community@openexome.pl

**Portugal**

Cultek S.L.U.  
Av. Cardenal Herrera Oria, 63  
28034 Madrid  
Tel : +34 91 729 03 33  
Fax : +34 91 358 17 61  
Email : cultek@cultek.com

**Romania, Slovakia, Slovenia**

ACCELA s.r.o.  
Sluzeb 4  
108 00 Prague 10  
Czech Republic  
Tel: +420 255 700 886  
Email : accel@accela.eu

**Spain**

Cultek S.L.U.  
Av. Cardenal Herrera Oria, 63  
28034 Madrid  
Tel : +34 91 729 03 33  
Fax : +34 91 358 17 61  
Email : cultek@cultek.com

**Sweden**

Bionordika Sweden AB  
Norbackag 47 A  
113 34 Stockholm  
Sweden  
Tel : +46 8 30 60 10  
Email : info@bionordika.se

**United Kingdom**

Labtech International Ltd.  
1 Acorn House  
The Broyle  
Ringmer, East Sussex  
BN8 5NN  
United Kingdom  
Tel : +44 (0) 1273 814888  
Email : sales@labtech.com