



COCKTAILS FOR LSC

Hidex provides high performance scintillation cocktails tested to give optimum performance with Hidex scintillation counters Hidex 300SL, Hidex 600SL and Hidex Triathler for aqueous, lipophilic, filter counting, alpha beta separation, general beta counting and low level applications. NPE free liquid scintillation cocktails are also available.

Hidex MaxiLight+

Hidex MaxiLight+ cocktail is a lipophilic, unquenched, DIN based cocktail with highest counting efficiency for organic and non-aqueous samples like bio-oils, dry samples, dried filters and for extraction of Rn-222 from water. MaxiLight+ has best alpha-beta separation efficiency. MaxiLight+ cannot be used for water samples or samples with any moisture.

Properties

- High performance cocktail for organic samples, biofuels and dried filters
- Excellent α/β -counting properties
- Optimum for Rn-222 counting with extractive method
- Does not accept any water or moisture
- NPE free
- Safe
- High flash point
- Odourless
- Low permeability through plastic vials



MaxiLight+

High performance cocktail for organic samples, bio-fuels and counting of dried filters. Excellent α/β -counting properties and optimum for Rn-222 counting with extractive method. Does not accept any water or moisture.

Product information: Specifically designed for high efficiency sample counting of organic samples. Safe, odourless, high counting efficiency, low permeation through plastic vials.

Contains: No NPE's (Nonylphenol Ethoxylates) EU WFD 2000/60/EC.

KEEP TIGHTLY CLOSED. PROTECT FROM SUNLIGHT. STORE AT OR SLIGHTLY BELOW ROOM TEMPERATURE.

ANGER



CATALOGUE NO.
CONTENTS (LITER):

461-003 461-015

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FOR LABORATORY RESEARCH USE ONLY

H316 Causes skin irritation. H318 Causes serious eye damage. P264 Wash ... thoroughly after handling. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302-P352 IF ON SKIN: Wash with plenty of water. P305-P351-P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337-P313 If eye irritation persists: Get medical advice/attention.

H316 Verursacht Hautirritationen. H318 Verursacht schwere Augenschäden. P264 Nach Gebrauch ... gründlich waschen. P280 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen. P302-P352 BEI BERÜHRUNG MIT DER HAUT: Mit viel Wasser/...waschen. P305-P351-P338 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. P337-P313 Bei anhaltender Augenreizung: Ärztlichen Rat einholen / ärztliche Hilfe hinzuziehen.

H316 Provoque une irritation cutanée. H318 Provoque des lésions oculaires graves. P264 Se laver ... soigneusement après manipulation. P280 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/ du visage. P302-P352 EN CAS DE CONTACT AVEC LA PEAU: Laver abondamment à l'eau. P305-P351-P338 EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P337-P313 Si l'irritation oculaire persiste: Consulter un médecin.

H316 Provoca irritazione cutanea. H318 Provoca gravi lesioni oculari. P264 Lavare accuratamente ... dopo l'uso. P280 Indossare guanti/indumenti protettivi/Proteggere gli occhi/il viso. P302-P352 IN CASO DI CONTATTO CON LA PELLE: Lavare abbondantemente con acqua. P305-P351-P338 IN CASO DI CONTATTO CON GLI OCCHI: Sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare. P337-P313 Se l'irritazione degli occhi persiste: Consultare un medico.

H316 Provoca irritación cutánea. H318 Provoca lesiones oculares graves. P264 Lavarse ... concienzudamente tras la manipulación. P280 Llevar guantes/prendas/gafas/máscara de protección. P302-P352 EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua. P305-P351-P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. P337-P313 Si persiste la irritación ocular: Consultar a un médico.

Manufactured by Actchem Ltd. • 030 001 2101 Certificate No. 02/1089
HIDEX • Lemminkäisenkatu 62 • FIN-20520 Turku • Tel. +358 10 843 5570 • www.hidex.com

Ordering Info

Cat. No.	461-003	MaxiLight+	1 L plastic bottle
Cat. No.	461-015	MaxiLight+	5 L plastic bottle

Storage

Store at or slightly below room temperature (15-25°C) in chemical storage cabinet. Keep container tightly sealed. Protect from light.

Transport information

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S (Di-isopropyl naphthalene isomers)
(IATA DGR: NOT RESTRICTED AS PER SPECIAL PROVISION A197)

Hidex AquaLight+

Hidex AquaLight+ is a general-purpose high safety scintillation cocktail for aqueous and non-aqueous samples, for both general beta counting and alpha-beta separation applications. AquaLight+ is a DIN based cocktail capable of handling a broad range of solutes, combining high counting efficiency and low background with a very high level of sample acceptance, particularly for high ionic strength solutes.

Properties

- Water-dissolving DIN cocktail for general beta counting and α/β separation applications
- High sample capacity, low background and high counting efficiency
- Solubility up to 12 ml water in 10 ml cocktail
- Compatible with urine samples and samples with high mineral acid concentrations.
- Good α/β -counting properties
- No diffusion through plastic vials ensures stable repeatable counting
- High flash point of ~140°C increases safety
- REACH regulations classify NPEs used in this cocktail as SVHC's (Substances of Very High Concern) and therefore this cocktail is available for research use only.
- Disposal by incineration only

General purpose cocktail for aqueous samples with high sample capacity, low background and high counting efficiency. Compatible with urine samples and samples with high mineral acid concentrations. Good α/β -counting properties.

Product information: Low background, high counting efficiency. Colour & quench resistant. Low permeation through plastic vials.

KEEP TIGHTLY CLOSED. PROTECT FROM SUNLIGHT. STORE AT OR SLIGHTLY BELOW ROOM TEMPERATURE.

DANGER

CATALOGUE NO.	CONTENTS (LITER):
461-004	1
461-006	5

FOR LABORATORY RESEARCH USE ONLY

EN: H504 May be fatal if swallowed and enters airways. H302 Causes skin irritation. H331 Causes eye irritation. H403 May cause long-term harmful effects to aquatic life. P201 Do not breathe vapour. P273 Do not release to the environment. P280 Wear eye protection, gloves, protective clothing and eye face protection. P301+P312 IF SWALLOWED, immediately call a POISON CENTRE or doctor/physician. P302+P352 IF ON SKIN Wash with plenty of water. P303+P361+P353 IF IN EYES, rinse copiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P304+P340 If you feel unwell, get medical attention. P305+P351+P338 IF eye irritation persists; Get medical advice/attention. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

DE: H504 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein. H302 Verursacht Hautirritationen. H331 Verursacht Augenirritation. H403 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein, mit langfristiger Wirkung. P201 (Achtung) Haut/Hand/Arbeitskleidung/Handschuhe/Brille/Schutzkleidung tragen. P273 Umweltschädlich. P280 Augen-/Gesichtsschutzkleidung, Handschuhe, Schutzhemd/Schutzkleidung, Schutzbrille tragen. P301+P312 BEI SCHLÜCKEN Sofort Giftinformationszentrum/Arzt/Ärnterster. P302+P352 BEI BERÜHRUNG MIT DER HAUT Mit viel Wasser / waschen. P303+P361+P353 BEI KONTAKT MIT DEN AUGEN Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. P304+P340 Bei Unwohlsein ärztliche Hilfe herbeiführen. P305+P351+P338 BEI AUGEN-IRITATIONEN Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. P501 Entsorgung des Inhalts / Behälters gemäß nationaler Vorschriften bzw. Gesetz.

FR: H504 Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires. H302 Provoque une irritation cutanée. H331 Provoque une irritation oculaire. H403 Peut être nocif à long terme pour les organismes aquatiques. P201 Ne pas respirer les vapeurs/aérosols/gaz/brouillards/vapeur/aérosols. P273 Éviter le rejet dans l'environnement. P280 Porter des gants de protection des vêtements de protection et équipement de protection des yeux de visage. P301+P312 EN CAS D'INGESTION Appeler immédiatement un CENTRE ANTIPOISON ou médecin. P302+P352 EN CAS DE CONTACT AVEC LA PEAU Laver abondamment à l'eau. P303+P361+P353 EN CAS DE CONTACT AVEC LES YEUX Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P304+P340 En cas d'inconfort, consulter un médecin. P305+P351+P338 EN CAS D'IRRITATION OCULAIRE persister à consulter un médecin. P501 Élimination des contenus/récipients en accord avec la réglementation locale ou nationale.

IT: H504 Può essere letale in caso di ingestione e di penetrazione nelle vie respiratorie. H302 Provoca irritazione cutanea. H331 Provoca irritazione oculare. H403 Può essere nocivo per gli organismi acquatici con effetti a lungo termine. P201 Non respirare le polveri/aerosoli/fumi/gas/brouillards/vapour/aérosols. P273 Evitare il rilascio nell'ambiente. P280 Indossare i guanti di protezione, i vestimenti di protezione e l'equipaggiamento di protezione degli occhi e del viso. P301+P312 IN CASO DI INGESTIONE Contattare immediatamente un CENTRO ANTIPISONI o un medico. P302+P352 IN CASO DI CONTATTO CON LA PELLE Lavare abbondantemente con acqua. P303+P361+P353 IN CASO DI CONTATTO CON GLI OCCHI Sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare. P501 Non smaltire nei rifiuti. P502+P501 In caso di irritazione della pelle, consultare un medico. P501+P502 In caso di irritazione degli occhi persistere a consultare un medico. P501 Smaltire il prodotto/ricettacolo in accordo con i regolamenti locali e nazionali.

Ordering Info

Cat. No.	461-004	AquaLight+	1 L plastic bottle
Cat. No.	461-006	AquaLight+	5 L plastic bottle

Storage

Store at or slightly below room temperature (15-25°C) in chemical storage cabinet. Keep container tightly sealed. Protect from light.

Transport information

UN3082, 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Contains Di-isopropyl-naphthalene isomers, 4-Nonyl phenol, branched ethoxylated)
(IATA DGR: NOT RESTRICTED AS PER SPECIAL PROVISION A197)

Hidex AquaLight+ Ultra Low Level

Hidex AquaLight+ Ultra Low Level cocktail is water-dissolving DIN based cocktail with highest performance for low level tritium counting, high sample capacity, ultra low background and high efficiency at low temperatures.

Properties

- Water-dissolving high performance cocktail for low level tritium counting
- High sample capacity, ultra low background and high counting efficiency at low temperatures
- Solubility up to 12 ml water in 10 ml cocktail
- Stable at temperatures down to 12°C for sub-ambient counting
- Compatible with urine samples and samples with high mineral acid concentrations.
- Good α/β -counting properties
- No diffusion through plastic vials ensures stable repeatable counting
- High flash point of ~140°C increases safety
- REACH regulations classify NPEs used in this cocktail as SVHC's (Substances of Very High Concern) and therefore this cocktail is available for research use only.
- Disposal by incineration only

AquaLight+ Ultra Low Level

FOR LABORATORY RESEARCH USE ONLY

High performance cocktail for low level tritium counting with high sample capacity, ultra low background and high counting efficiency at low temperatures.

Product information: Low background, high counting efficiency. Colour & quench resistant. Low permeation through plastic vials

KEEP TIGHTLY CLOSED. PROTECT FROM SUNLIGHT. STORE AT OR SLIGHTLY BELOW ROOM TEMPERATURE.

DANGER

CATALOGUE NO.
 CONTENTS (LITER):

461-007
5

H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H330 Causes eye irritation. H410 May cause long-lasting harmful effects to aquatic life. P201 Do not breathe vapour. P273 Avoid release to the environment. P280 Wear suitable protective clothing, gloves and eye/face protection. P301-P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. P302-P352 IF ON SKIN: Wash with plenty of water. P303-P361-P353 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P304 Do not induce vomiting. P305-P351-P338 In case of eye irritation: lift medical advice/attention. P307-P311 In case of eye irritation persists: lift medical advice/attention. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein. H315 Verursacht Hautirritation. H330 Verursacht Augenirritation. H410 Kann für Wassorganismen schädlich sein, mit langfristigen Wirkungen. P201 Kleidung/Schutzkleidung/Arbeitskleidung/Schutzhandschuhe/Schutzbrille/Schutzschonbrille tragen. P273 Freisetzung in die Umwelt vermeiden. P301-P310 Schutzhandschuhe/Schutzkleidung/Arbeitskleidung/Schutzhandschuhe tragen. P302-P352 BEI BERÜHRUNG MIT DER HAUT: Mit viel Wasser/...waschen. P303-P361-P353 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. P304-P351-P338 Im Falle einer Augenirritation: Ärztliche Hilfe anfordern / ärztliche Hilfe hinzuziehen. P305-P351-P338 Bei anhaltender Augenirritation: Ärztlichen Rat einholen / ärztliche Hilfe hinzuziehen. P307-P311 Bei anhaltender Augenirritation: Ärztlichen Rat einholen / ärztliche Hilfe hinzuziehen. P501 Entsorgung des Inhalts / Behälters gemäß nationaler Vorschriften bzw. Gesetzen.

H304 Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires. H315 Provoque une irritation cutanée. H330 Provoque une irritation oculaire. H410 Peut être nocif à long terme pour les organismes aquatiques. P201 Ne pas respirer les poussières/fumées/gaz/aérosols/les vapeurs. P273 Éviter le rejet dans l'environnement. P280 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. P301-P310 EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. P302-P352 EN CAS DE CONTACT AVEC LA PEAU: Laver abondamment à l'eau. P303-P361-P353 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P304-P351-P338 En cas d'irritation oculaire: consulter un médecin. P305-P351-P338 Si l'irritation oculaire persiste: consulter un médecin. P501 Élimination des contenants/réceptacles en accord avec la réglementation locale et/ou nationale.

H304 Può essere letale in caso di ingestione e di penetrazione nelle vie respiratorie. H315 Provoca irritazione cutanea. H330 Provoca irritazione oculare. H410 Può essere nocivo per gli organismi acquatici con effetti a lungo termine. P201 Non respirare la polvere/fumi/gas/la nebbia/vapori/gli aerosol. P273 Evitare l'inquinamento dell'ambiente. P280 Indossare opportuni indumenti protettivi/Proteggere gli occhi il viso. P301-P310 IN CASO DI INGESTIONE: chiamare immediatamente un CENTRO ANTIDOTICO o un medico. P302-P352 IN CASO DI CONTATTO CON LA PELLE: lavare abbondantemente con acqua. P303-P361-P353 IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare. P304-P351-P338 NON provocare il vomito. P305-P351-P338 In caso di irritazione della pelle: consultare un medico. P307-P311 Se l'irritazione degli occhi persiste, consultare un medico. P501 Smaltire il prodotto/recipiente in accordo con le leggi nazionali vigenti.

Ordering Info

Cat. No. 461-007 AquaLight+ Ultra Low Level 5 L plastic bottle

Storage

Store at or slightly below room temperature (15-25°C) in chemical storage cabinet. Keep container tightly sealed. Protect from light.

Transport information

UN3082, 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Contains Di-isopropylNaphthalene isomers, 4-Nonyl phenol, branched ethoxylated)
 (IATA DGR: NOT RESTRICTED AS PER SPECIAL PROVISION A197)

Hidex AquaLight AB

Hidex AquaLight AB is a water-dissolving DIN based cocktail for alpha-beta separation applications, such as direct detection of Rn-222 in water or gross alpha-beta measurements with good alpha-beta separation efficiency. Solubility up to 6.5 mL water in 13.5 mL cocktail.

Properties

- Water-dissolving DIN cocktail for α/β separation applications
- High alpha-beta separation efficiency
- Solubility up to 6.5 ml water in 13.5 ml cocktail
- Good α/β -counting properties
- No diffusion through plastic vials ensures stable repeatable counting
- No REACH regulations classify NPEs used in this cocktail as SVHC's (Substances of Very High Concern) therefore this cocktail is available for research use only.
- Disposal by incineration only



AquaLight AB is high performance DIN based LSC cocktail for aqueous and non-aqueous samples. Accepts up to 6.5 ml water in 13.5 ml cocktail at 20 °C Optimized for α/β separation.

Product information: Odourless, colour and quench resistant. Low photo and chemiluminescence.

Contains: Diisopropyl naphthalene isomers.

KEEP TIGHTLY CLOSED. PROTECT FROM SUNLIGHT. STORE AT OR SLIGHTLY BELOW ROOM TEMPERATURE.

ANGER



CATALOGUE NO.
CONTENTS (LITER):

461-021 461-020

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FOR LABORATORY RESEARCH USE ONLY

H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life with long lasting effects. H410 Very toxic to aquatic life with long lasting effects. P273 Avoid release into the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301 + P310 If SWALLOWED: Immediately call a POISON CENTRE / DOCTOR. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P501 Dispose of contents / container in accordance with local/national regulations.

H304 Kann bei Verschlucken und Eindringen in die Atemwege tödlich sein. H315 Verursacht Hautreizungen. H319 Verursacht schwere Augenreizung. H400 Sehr giftig für Wasserorganismen mit langfristiger Wirkung. P273 Freisetzung in die Umwelt vermeiden. P280 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen. P301+P310 BEI VERSCHLUCKEN: Sofort GIFTINFORMATIONSZENTRUM oder Arzt anrufen. P303+P361+P353 BEI BERÜHRUNG MIT DER HAUT (oder dem Haar): Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen. P305+P351+P338 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. P501 Entsorgung des Inhalts / Behälters gemäß nationalen Vorschriften bzw. Gesetzen.

H304 Peut être mortel en cas d'ingestion et de pénétration dans les voies respiratoires. H315 Provoque une irritation cutanée. H319 Provoque une sévère irritation des yeux. H400 Très toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme. P273 Éviter le rejet dans l'environnement. P280 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. P301+P310 EN CAS D'INGESTION: Appeler immédiatement un CENTRE ANTIPOISON ou un médecin. P303+P361+P353 EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement les vêtements contaminés. Rincer la peau à l'eau/à se doucher. P305+P351+P338 EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution à l'eau pendant plusieurs minutes.lever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. P501 Élimination des contenus/récipients en accord avec la réglementation locale et/ou nationale.

H304 Puede ser mortal en caso de ingestión y penetración en las vías respiratorias. H315 Provoca irritación cutánea. H319 Provoca irritación ocular grave. H400 Muy tóxico para los organismos acuáticos, con efectos nocivos duraderos. P273 Evitar su liberación al medio ambiente. P280 Usar guantes/prendas/protector facial/máscara de protección. P301+P310 EN CASO DE INGESTIÓN: Llamar inmediatamente a un CENTRO DE INFORMACIÓN TOXICOLÓGICA o a un médico. P303+P361+P353 EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitarse inmediatamente las prendas contaminadas. Aclararse la piel con agua/ducharse. P305+P351+P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. P501 Eliminación del contenido/recipiente de acuerdo con las regulaciones locales y nacionales.

H304 Può essere letale in caso di ingestione e di penetrazione nelle vie respiratorie. H315 Provoca irritazione cutanea. H319 Provoca grave irritazione oculare. H400 Molto tossico per gli organismi acquatici, con effetti nocivi duraturi. P273 Non disperdere nell'ambiente. P280 Indossare guanti/indumenti protettivi/Proteggere gli occhi/il viso. P301+P310 IN CASO DI INGESTIONE: Contattare immediatamente un CENTRO ANTIVELENI o un medico. P303+P361+P353 IN CASO DI CONTATTO CON LA PELLE (o con i capelli): Togliere di dosso immediatamente tutti gli indumenti contaminati. Sciacquare la pelle/face una doccia. P305+P351+P338 IN CASO DI CONTATTO CON GLI OCCHI: Sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare. P501 Smaltire il prodotto/ricipiente in accordo con le leggi nazionali vigenti.

Manufactured by Actonchem Ltd • 8100102010 Certified No. 01/09/09
HIDEX • Lemminkäisenkatu 62 • FIN-20520 TURKU • Tel. +358 10 843 5570 • www.hidex.com

Ordering Info

Cat. No.	461-021	AquaLight AB	1 L plastic bottle
Cat. No.	461-020	AquaLight AB	5 L plastic bottle

Storage

Store at or slightly below room temperature (15-25°C) in chemical storage cabinet. Keep container tightly sealed. Protect from light.

Transport information

UN3082, 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Contains Di-isopropyl naphthalene isomers, 4-Nonyl phenol, branched ethoxylated)
(IATA DGR: NOT RESTRICTED AS PER SPECIAL PROVISION A197)

Hidex AquaLight Beta

AquaLight Beta is DIN based multi-purpose LSC cocktail for aqueous and nonaqueous samples. Specifically designed for high sample capacity with high efficiency.

Properties

- Optimized for general β -counting
- Accepts up to 10 ml of dilute aqueous samples in 10 ml cocktail at 20 °C
- Extremely resistant to chemiluminescence and is therefore suitable for use with the solubilised samples.
- REACH regulations classify NPEs used in this cocktail as SVHC's (Substances of Very High Concern) and therefore this cocktail is only available for research use only.



AquaLight Beta is DIN based LSC cocktail for aqueous and non-aqueous samples. Specifically designed for high sample capacity with high efficiency. Accepts up to 10 ml water in 10 ml cocktail at 20 °C Optimized for β -counting.

Product information: Odourless, colour and quench resistant.

Contains: Diisopropyl naphthalene isomers.

KEEP TIGHTLY CLOSED. PROTECT FROM SUNLIGHT. STORE AT OR SLIGHTLY BELOW ROOM TEMPERATURE.

DANGER



CATALOGUE NO.
CONTENTS (LITER):

461-036

5

FOR LABORATORY RESEARCH USE ONLY

H204 May be fatal if swallowed and enters airways. H302 Harmful if swallowed. H311 Toxic if swallowed. H314 Causes severe skin irritation. H315 Causes skin irritation. H317 Causes serious eye irritation. H330 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. P201 P202 Wear protective gloves/protective clothing/eye protection/face protection. P201 P202 If SWALLOWED immediately call a POISON CENTER or doctor/physician. P203 P233 P234 IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/shower. P231 P232 P233 P234 P273 P280 P281 P282 P283 P284 P285 P286 P287 P288 P289 P290 P291 P292 P293 P294 P295 P296 P297 P298 P299 P301 P302 P303 P304 P305 P306 P307 P308 P309 P310 P311 P312 P313 P314 P315 P316 P317 P318 P319 P320 P321 P322 P323 P324 P325 P326 P327 P328 P329 P330 P331 P332 P333 P334 P335 P336 P337 P338 P339 P340 P341 P342 P343 P344 P345 P346 P347 P348 P349 P350 P351 P352 P353 P354 P355 P356 P357 P358 P359 P360 P361 P362 P363 P364 P365 P366 P367 P368 P369 P370 P371 P372 P373 P374 P375 P376 P377 P378 P379 P380 P381 P382 P383 P384 P385 P386 P387 P388 P389 P390 P391 P392 P393 P394 P395 P396 P397 P398 P399 P400 P401 P402 P403 P404 P405 P406 P407 P408 P409 P410 P411 P412 P413 P414 P415 P416 P417 P418 P419 P420 P421 P422 P423 P424 P425 P426 P427 P428 P429 P430 P431 P432 P433 P434 P435 P436 P437 P438 P439 P440 P441 P442 P443 P444 P445 P446 P447 P448 P449 P450 P451 P452 P453 P454 P455 P456 P457 P458 P459 P460 P461 P462 P463 P464 P465 P466 P467 P468 P469 P470 P471 P472 P473 P474 P475 P476 P477 P478 P479 P480 P481 P482 P483 P484 P485 P486 P487 P488 P489 P490 P491 P492 P493 P494 P495 P496 P497 P498 P499 P500 P501 P502 P503 P504 P505 P506 P507 P508 P509 P510 P511 P512 P513 P514 P515 P516 P517 P518 P519 P520 P521 P522 P523 P524 P525 P526 P527 P528 P529 P530 P531 P532 P533 P534 P535 P536 P537 P538 P539 P540 P541 P542 P543 P544 P545 P546 P547 P548 P549 P550 P551 P552 P553 P554 P555 P556 P557 P558 P559 P560 P561 P562 P563 P564 P565 P566 P567 P568 P569 P570 P571 P572 P573 P574 P575 P576 P577 P578 P579 P580 P581 P582 P583 P584 P585 P586 P587 P588 P589 P590 P591 P592 P593 P594 P595 P596 P597 P598 P599 P600 P601 P602 P603 P604 P605 P606 P607 P608 P609 P610 P611 P612 P613 P614 P615 P616 P617 P618 P619 P620 P621 P622 P623 P624 P625 P626 P627 P628 P629 P630 P631 P632 P633 P634 P635 P636 P637 P638 P639 P640 P641 P642 P643 P644 P645 P646 P647 P648 P649 P650 P651 P652 P653 P654 P655 P656 P657 P658 P659 P660 P661 P662 P663 P664 P665 P666 P667 P668 P669 P670 P671 P672 P673 P674 P675 P676 P677 P678 P679 P680 P681 P682 P683 P684 P685 P686 P687 P688 P689 P690 P691 P692 P693 P694 P695 P696 P697 P698 P699 P700 P701 P702 P703 P704 P705 P706 P707 P708 P709 P710 P711 P712 P713 P714 P715 P716 P717 P718 P719 P720 P721 P722 P723 P724 P725 P726 P727 P728 P729 P730 P731 P732 P733 P734 P735 P736 P737 P738 P739 P740 P741 P742 P743 P744 P745 P746 P747 P748 P749 P750 P751 P752 P753 P754 P755 P756 P757 P758 P759 P760 P761 P762 P763 P764 P765 P766 P767 P768 P769 P770 P771 P772 P773 P774 P775 P776 P777 P778 P779 P780 P781 P782 P783 P784 P785 P786 P787 P788 P789 P790 P791 P792 P793 P794 P795 P796 P797 P798 P799 P800 P801 P802 P803 P804 P805 P806 P807 P808 P809 P810 P811 P812 P813 P814 P815 P816 P817 P818 P819 P820 P821 P822 P823 P824 P825 P826 P827 P828 P829 P830 P831 P832 P833 P834 P835 P836 P837 P838 P839 P840 P841 P842 P843 P844 P845 P846 P847 P848 P849 P850 P851 P852 P853 P854 P855 P856 P857 P858 P859 P860 P861 P862 P863 P864 P865 P866 P867 P868 P869 P870 P871 P872 P873 P874 P875 P876 P877 P878 P879 P880 P881 P882 P883 P884 P885 P886 P887 P888 P889 P890 P891 P892 P893 P894 P895 P896 P897 P898 P899 P900 P901 P902 P903 P904 P905 P906 P907 P908 P909 P910 P911 P912 P913 P914 P915 P916 P917 P918 P919 P920 P921 P922 P923 P924 P925 P926 P927 P928 P929 P930 P931 P932 P933 P934 P935 P936 P937 P938 P939 P940 P941 P942 P943 P944 P945 P946 P947 P948 P949 P950 P951 P952 P953 P954 P955 P956 P957 P958 P959 P960 P961 P962 P963 P964 P965 P966 P967 P968 P969 P970 P971 P972 P973 P974 P975 P976 P977 P978 P979 P980 P981 P982 P983 P984 P985 P986 P987 P988 P989 P990 P991 P992 P993 P994 P995 P996 P997 P998 P999

Ordering Info

Cat No. 461-035 AquaLight Beta 5 L plastic bottle

Storage

Store at or slightly below room temperature (15-25°C) in chemical storage cabinet. Keep container tightly sealed. Protect from light.

Transport information

UN3082, 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Contains Di-isopropyl naphthalene isomers, 4-Nonyl phenol, branched ethoxylated)
(IATA DGR: NOT RESTRICTED AS PER SPECIAL PROVISION A197)

Oxidizer 600 OX Radiocarbon

Oxidizer 600 OX Radiocarbon is a complete liquid scintillation cocktail for trapping and counting radioactive carbon dioxide. This cocktail is designed for the Hidex 600 OX Oxidizer. The cocktail contains a carbon dioxide absorber that effectively traps CO₂ into the cocktail. The cocktail contains also scintillator and, therefore, the combusted sample in the cocktail is instantly ready for the LSC measurement.

Properties

- 1 ml of cocktail absorbs 2.8 mmol of carbon dioxide
- High counting efficiency and low background
- Effective carbon dioxide absorption by 3-methoxypropylamine
- Contains scintillator for instant C-14 measurement
- NPE free
- Disposal by incineration only



Oxidizer 600 OX Radiocarbon

A complete liquid scintillation cocktail for trapping and counting radioactive carbon dioxide. To be used with Hidex 600 OX Oxidizer.

Product information: 1 ml of cocktail absorbs 2.8 mmol of carbon dioxide.

KEEP TIGHTLY CLOSED. PROTECT FROM SUNLIGHT. STORE AT OR SLIGHTLY BELOW ROOM TEMPERATURE.



CATALOGUE NO.

461-071

FOR LABORATORY RESEARCH USE ONLY

H225 Flammable liquid and vapour. H232 Harmful if inhaled. H315 Causes skin irritation. H318 Causes serious eye irritation. H335 H336 May cause respiratory irritation. May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects. P201 Keep away from heat/sparks/open flames/hot surfaces – No smoking. P201 P202 Wear protective gloves/protective clothing/eye protection/face protection. P203–P211–P231 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P203–P211–P231 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. P204–P240 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

H228 Flüssigkeit und Dampf entzündbar. H332 Gesundheitsschädlich bei Einatmen. H315 Verursacht Hautreizungen. H318 Verursacht schwere Augenreizung. H335–H336 Kann die Atemwege reizen. Kann Schläfrigkeit und Benommenheit verursachen. H411 Giftig für Wasserorganismen, mit langfristiger Wirkung. P201 Von Hitze, heißen Oberflächen, Funken, offener Flamme sowie anderen Zündquellenarten fernhalten. Nicht rauchen. P201 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen. P203–P211–P231 BEI BERÜHRUNG MIT DER HAUT (oder dem Haar): Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen. P203–P211–P231 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen. P204–P240 BEI EINATMEN: Die Person an die frische Luft bringen und für ungehinderte Atmung sorgen.

H225 Líquido y vapores inflamables. H232 Nocivo si se inhala. H315 Provoca irritación cutánea. H318 Provoca grave irritación ocular. H335–H336 Puede irritar las vías respiratorias. Puede provocar somnolencia o vértigo. H411 Tóxico para los organismos acuáticos, con efectos nocivos duraderos. P201 Mantener alejado del calor, de superficies calientes, de chispas, de flamas abiertas y de cualquier otra fuente de ignición. No fumar. P201 Llevar guantes/prendas/ropa/utensilios de protección. P203–P211–P231 EN CASO DE CONTACTO CON LA PIEL (o con el cabello): Quitar inmediatamente todos los prendas contaminadas. Quitarse la ropa con agua/ducharse. P203–P211–P231 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. P204–P240 EN CASO DE INHALACIÓN: Transportar a la persona al aire libre y mantenerla en una posición que le facilite la respiración.

Manufactured by Lemminkäinen • 6510001000000 • www.hidex.com

Ordering Info

Cat. No. 461-071 Oxidizer 600 OX Radiocarbon 1 L

Delivered in glass bottles, bottle size depends on order volume and transport method.

Storage

Store at or slightly below room temperature (15–25°C) in chemical storage cabinet. Keep container tightly sealed. Protect from light.

Transport information

UN2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (3-methoxypropylamine, 1,2,4-trimethylbenzene, isobutyl alcohol) ENVIRONMENTALLY HAZARDOUS)

Oxidizer 600 OX Tritium

Oxidizer 600 OX Tritium is a complete liquid scintillation cocktail for trapping and counting tritium-water from combustion systems. This cocktail is an NPE free pseudocumene based LSC cocktail especially for the Hidex 600 OX Oxidizer. The cocktail is designed to accept water from sample oxidisers without foaming or gelling and produces a stable microemulsion suitable for LSC counting.

Properties

- High volume water capacity, accepts up to 6 ml of water into 10 ml of cocktail
- High tritium counting efficiency
- No foaming
- NPE free
- Disposal by incineration only



A liquid scintillation cocktail for counting tritium produced from sample oxidation. To be used with Hidex 600 OX Oxidizer.

Product information: Accepts up to 6 ml of water into 10 ml of cocktail. NPE free.

Storage information: Keep tightly closed. Protect from sunlight. Store at or slightly below room temperature. Keep away from heat.

KEEP AWAY FROM HEAT
KEEP TIGHTLY CLOSED. PROTECT FROM SUNLIGHT. STORE AT OR SLIGHTLY BELOW ROOM TEMPERATURE.



CATALOGUE NO.

461-073

FOR LABORATORY RESEARCH USE ONLY

H225 Flammable liquid and vapour. H316 Causes skin irritation. H318 Causes serious eye damage. H332-H361-H411 Harmful if inhaled. May cause respiratory irritation. Toxic to aquatic life with long lasting effects. P201 P202 Keep away from heat/sparks/open flames/hot surfaces – No smoking. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303-P361-P353 IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Rinse skin with water/shower. P304-P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305-P351-P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

H226 Flüssigkeit und Dampf entzündbar. H316 Verursacht Hautirritationen. H318 Verursacht schwere Augenschäden. H332-H361-H411 Gesundheitsschädlich bei Einatmen. Kann die Atemwege reizen. Giftig für Wasserorganismen, mit langfristiger Wirkung. P201 Von Hitze, heißen Oberflächen, Funken, offenen Flammen sowie anderen Zündquellenarten fernhalten. Nicht rauchen. P273 Freisetzung in die Umwelt vermeiden. P280 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen. P303-P361-P353 BEI BERÜHRUNG MIT DER HAUT (oder dem Haar): Alle kontaminierten Kleidungsstücke sofort ausziehen. Haut mit Wasser abwaschen/duschen. P304-P340 BEI EINATMEN: Die Person an die frische Luft bringen und für ungehinderte Atmung sorgen. P305-P351-P338 BEI KONTAKT MIT DEN AUGEN: Einige Minuten lang behutsam mit Wasser ausspülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter ausspülen.

H226 Liquide et vapeurs inflammables. H316 Provoque une irritation cutanée. H318 Provoque des lésions oculaires graves. H332-H361-H411 Nocif par inhalation. Peut irriter les voies respiratoires. Toxique pour les organismes aquatiques, entraîne des effets néfastes à long terme. P201 Tenir à l'écart de la chaleur, des surfaces chaudes, des étincelles, des flammes nues et de toute autre source d'inflammation. Ne pas fumer. P273 Éviter le rejet dans l'environnement. P280 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage. P303-P361-P353 EN CAS DE CONTACT AVEC LA PEAU (ou les cheveux): Enlever immédiatement tous les vêtements contaminés. Rincer la peau à l'eau/Se doucher. P304-P340 EN CAS D'INHALATION: transporter la personne à l'extérieur et la maintenir dans une position où elle peut confortablement respirer. P305-P351-P338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.

H226 Líquido e vapori infiammabili. H316 Provoca irritazione cutanea. H318 Provoca gravi lesioni oculari. H332-H361-H411 Nocivo se inalato. Può irritare le vie respiratorie. Tossico per gli organismi acquatici con effetti di lunga durata. P201 Tenere lontano da fonti di calore, superfici calde, scintille, fiamme libere o altre fonti di accensione. Non fumare. P273 Non disperdere nell'ambiente. P280 Indossare guanti/indumenti protettivi/Proteggere gli occhi/il viso. P303-P361-P353 IN CASO DI CONTATTO CON LA PELLE (o con i capelli): togliere immediatamente tutti gli indumenti contaminati. Sciocquare la pelle/fare una doccia. P304-P340 IN CASO DI INALAZIONE: trasportare l'infortunato all'aria aperta e mantenerlo a riposo in posizione che favorisca la respirazione. P305-P351-P338 IN CASO DI CONTATTO CON GLI OCCHI: sciocquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciocquare.

H226 Líquidos y vapores inflamables. H316 Provoca irritación cutánea. H318 Provoca lesiones oculares graves. H332-H361-H411 Nocivo en caso de inhalación. Puede irritar las vías respiratorias. Tóxico para los organismos acuáticos, con efectos nocivos duraderos. P201 Mantener alejado del calor, de superficies calientes, de chispas, de flamas abiertas y de cualquier otra fuente de ignición. No fumar. P273 Evitar su liberación al medio ambiente. P280 Llevar guantes/prendas/gafas/máscara de protección. P303-P361-P353 EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente todos los prendas contaminadas. Aclararse la piel con agua/fuente. P304-P340 EN CASO DE INHALACIÓN: transportar a la persona al aire libre y mantenerla en una posición que le facilite la respiración. P305-P351-P338 EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.

Manufactured by Acton Ltd • 03100012010 • Contact: 01473 841100
HIDEX • Lemminkäisenkatu 62 • FIN-20520 TURKU • www.hidex.com

Ordering Info

Cat. No. 461-073 Oxidizer 600 OX Tritium 1 L

Delivered in glass bottles, bottle size depends on order volume and transport method.

Storage

Store at or slightly below room temperature (15-25°C) in chemical storage cabinet. Keep container tightly sealed. Protect from light.

Transport information

UN1993 FLAMMABLE LIQUID, N.O.S. (1,2,4-Trimethylbenzene), ENVIRONMENTALLY HAZARDOUS