

# SAFETY DATA SHEET

Millipore

according to Regulation (EC) No. 1907/2006

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1	Product identifiers Product name		MILLIPLEX <sup>®</sup> Human Metabolic Hormone Expanded Panel v3
	Product Number Catalogue No. Brand REACH No.	:	HMH3-34K 9Z6773 Millipore This product is a mixture. REACH Registration Number see section 3.
1.2	Relevant identified us	ses o	of the substance or mixture and uses advised against
	Identified uses	:	Biochemical research/analysis
		~	

**1.3** Details of the supplier of the safety data sheet

:

Company

# **1.4 Emergency telephone**

Emergency Phone # : +(44)-870-8200418 (CHEMTREC (GB)) +(353)-19014670 (CHEMTREC Ireland) 001-803-017-9114 (CHEMTREC India)

This is a summary SDS for a kit. For the full SDS for each of the components listed in section 16 please visit our website.

## **SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

## Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302 Acute toxicity, Inhalation (Category 4), H332 Acute toxicity, Dermal (Category 3), H311 Eye irritation (Category 2), H319 Skin sensitization (Category 1), H317 Long-term (chronic) aquatic hazard (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 2.2 Label elements

## Labelling according Regulation (EC) No 1272/2008

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Pictogram	
Signal Word	Danger
Hazard statement(s) H302 + H332 H311 H317 H319 H411	Harmful if swallowed or if inhaled. Toxic in contact with skin. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
Precautionary statement(s)	
P273 P280	Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements	none
Reduced Labeling (<= 1	25 ml)
Pictogram	
Signal Word	Danger
Hazard statement(s) H311 H317	Toxic in contact with skin. May cause an allergic skin reaction.
Precautionary statement(s) P302 + P352 + P312	) IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell.
Supplemental Hazard Statements	none
Other hazards - none	

# SECTION 3: Composition/information on ingredients

Refer to component SDS

Millipore- HMH3-34K

2.3

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## **SECTION 4: First aid measures**

Refer to component SDS

## **SECTION 5: Firefighting measures**

Refer to component SDS

## **SECTION 6:** Accidental release measures

Refer to component SDS

### **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

#### Advice on safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

#### **Hygiene measures**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

#### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.

#### Storage stability

Recommended storage temperature 2 - 8 °C

#### Storage class

Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects

## 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

#### SECTION 8: Exposure controls/personal protection

Refer to component SDS

## **SECTION 9: Physical and chemical properties**

Refer to component SDS

## **SECTION 10: Stability and reactivity**

Refer to component SDS

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## **SECTION 11: Toxicological information**

Refer to component SDS

## **SECTION 12: Ecological information**

Refer to component SDS

## **SECTION 13: Disposal considerations**

Refer to component SDS

SECTION 14: Transport informat	ion	
<b>14.1 UN number</b> ADR/RID: 3316	IMDG: 3316	IATA: 3316
<b>14.2 UN proper shipping name</b> ADR/RID: CHEMICAL KIT IMDG: CHEMICAL KIT IATA: Chemical kit		
14.3 Transport hazard class(es) ADR/RID: 9	IMDG: 9	IATA: 9
14.4 Packaging group ADR/RID: III	IMDG: III	IATA: III
14.5 Environmental hazards ADR/RID: no	IMDG Marine pollutant: no	IATA: no
14.6 Special precautions for use	r	
Further information :	No data available	

### **SECTION 15: Regulatory information**

## 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Refer to component SDS

#### **15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

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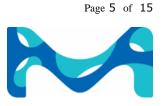


# **SECTION 16: Other information**

		•		
Kit Components				
10X Wash Buffer	-	Millipore	L-WB	Skin Sens. 1; Aquatic Chronic 2;
MILLIPLEX		Millinere		H317, H411
Assay Buffer Serum Matrix -		Millipore Millipore	LE-ABGLP3 LHGT-SM	Acuta Tax, A. Acustic Chronic 2.
MILLIPLEX - COLE		Millipore	LIGT-SM	Acute Tox. 4; Aquatic Chronic 3; H302 + H312 + H332, H412
18-anti Amylin (T		Millipore	HAMLNT-MAG	H3UZ + H3IZ + H33Z, H4IZ
MAGNETIC Beads	otarj	Millipore	HAMLINT-MAG	
MILLIPLEX-COLD	PACKS			
19-anti C-Peptide		Millipore	HCP-MAG	
MAGNETIC Beads		1 mpore		
MILLIPLEX-COLD				
20-anti Ghrelin (A		Millipore	HGRLN-MAG	
MAGNETIC Beads	,	·		
21-anti GIP MAGN	IETIC	Millipore	HGIP-MAG	
Beads MILLIPL				
22-GLP-1 Active E	Beads -	Millipore	ACTGLP1-MAG	
Magnetic				
22 - GLP-1 Total I	Beads -	Millipore	HMEGLP1-MAG	
Magnetic				
39-anti Leptin		Millipore	HLPTN-MAG	
MAGNETIC Beads		N4:11:		
54-anti PYY (Tota		Millipore	HPYY-MAG	
MAGNETIC Beads		Millinere		
78-anti Amylin (A MAGNETIC Beads		Millipore	HAMLNA-MAG	
MILLIPLEX-COLD				
33-Glucagon Bead		Millipore	HMGLU-MAG	
Magnetic	10	1 mipore		
34-IL-6 Beads Ma	anetic	Millipore	HMIL6-MAG	
52-MCP-1/CCL2 B	•	Millipore	HMMCP1-MAG	
Magnetic		·		
55-TNFa Beads M	agnetic	Millipore	HMTNFA-MAG	
57-Secretin Beads	S	Millipore	HMSEC-MAG	
Magnetic				
36-Insulin Beads		Millipore	HMINS-MAG	
Magnetic		N 4 11 1		
53-PP Beads Mag	netic	Millipore	HMPP-MAG	A suite Taur A. A suite Taur Dr
Human Metabolic	- d	Millipore	HMH3-8034	Acute Tox. 4; Acute Tox. 3;
Hormone Expande Panel Standard	20			Aquatic Chronic 2; H302 +
Human Metabolic		Millipore	HMH3-6034	H332, H311, H411 Acute Tox. 4; Acute Tox. 3;
Hormone Expande	-d	Millipore	111113-0034	Aquatic Chronic 2; H302 +
Panel Quality Con				H332, H311, H411
2				11552, 11511, 1111
– Human Metabolic		Millipore	HMH3-1034-1	
Hormone Exp Pan	el			
Detection Antibod				
Human Metabolic		Millipore	HMH3-1034-2	
Hormone Exp Pan	el			

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Detection Antibodies 2	
Bead Diluent	Millipore
Streptavidin-	Millipore
Phycoerythrin	

HMH3-BD HMH3-SAPE

Eye Irrit. 2; H319

## Full text of other abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM -American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS -Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. -Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS -Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

## Classification of the mixture

## Classification procedure:

Acute Tox.4	H302	Calculation method
Acute Tox.4	H332	Calculation method
Acute Tox.3	H311	Calculation method
Eye Irrit.2	H319	Calculation method
Skin Sens.1	H317	Calculation method
Aquatic Chronic2	H411	Calculation method

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## Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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# **Kit Components:**

10X Wash Buffer - MILLIPLEX							
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental		
identifier		Word	Statements	Statements	information		
Millipore - L- WB		Warning	May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.	Avoid breathing mist or vapors. IF ON SKIN: Wash with plenty of water. Contaminated work clothing should not be allowed out of the workplace. If skin irritation or rash occurs: Get medical advice/ attention. Avoid release to the environment. Wear protective gloves.			

Assay Buffer					
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - LE- ABGLP3					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Serum Matrix -MILLIPLEX - COLD PACK						
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental	
identifier		Word	Statements	Statements	information	
Millipore -		Warning	Harmful if	Avoid breathing		
LHGT-SM			swallowed, in	dust. IF		
	•		contact with skin	SWALLOWED:		
			or if inhaled.	Call a POISON		
			Harmful to	CENTER/ doctor		
			aquatic life with	if you feel		
			long lasting	unwell. Avoid		

Millipore- HMH3-34K

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	effects.	release to the environment. IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel	
		if you feel unwell.	

18-anti Amyli	18-anti Amylin (Total) MAGNETIC Beads MILLIPLEX-COLD PACKS						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information		
Millipore - HAMLNT-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		

19-anti C-Pe	19-anti C-Peptide MAGNETIC Beads MILLIPLEX-COLD PACKS						
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information		
Millipore - HCP-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.		

20-anti Ghrelin (Active) MAGNETIC Beads								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier	_	Word	Statements	Statements	information			
Millipore -					Not a hazardous			
HGRLN-MAG					substance or			
					mixture			
					according to			

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		Regulation (EC)
		No 1272/2008.

21-anti GIP M	21-anti GIP MAGNETIC Beads MILLIPL								
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information				
Millipore - HGIP-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.				

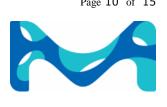
22-GLP-1 Active Beads - Magnetic								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
Millipore - ACTGLP1- MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.			

22 - GLP-1 Total Beads - Magnetic								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
Millipore -					Not a hazardous			
HMEGLP1-					substance or			
MAG					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

39-anti Leptin MAGNETIC Beads MILL									
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
Millipore -					Not a hazardous				
HLPTN-MAG					substance or				
					mixture				
					according to				
					Regulation (EC)				
					No 1272/2008.				

54-anti PYY (Total) MAGNETIC Beads MILLI								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
Millipore - HPYY-MAG					Not a hazardous substance or mixture according to Regulation (EC)			

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No 1272/2008.			

78-anti Amylin (Active) MAGNETIC Beads MILLIPLEX-COLD PACKS								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier		Word	Statements	Statements	information			
Millipore -					Not a hazardous			
HAMLNA-MAG					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

33-Glucagon	33-Glucagon Beads Magnetic								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
Millipore -					Not a hazardous				
HMGLU-MAG					substance or				
					mixture				
					according to				
					Regulation (EC)				
					No 1272/2008.				

34-IL-6 Beads Magnetic								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental			
identifier	_	Word	Statements	Statements	information			
Millipore -					Not a hazardous			
HMIL6-MAG					substance or			
					mixture			
					according to			
					Regulation (EC)			
					No 1272/2008.			

52-MCP-1/CC	52-MCP-1/CCL2 Beads Magnetic								
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental				
identifier		Word	Statements	Statements	information				
Millipore -					Not a hazardous				
HMMCP1-MAG					substance or				
					mixture				
					according to				
					Regulation (EC)				
					No 1272/2008.				

55-TNFa Beac	ls Magnetic				
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore -					Not a hazardous
HMTNFA-MAG					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

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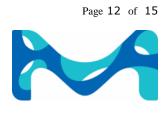
57-Secretin B	eads Magnet	ic			
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMSEC-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

36-Insulin Be	ads Magneti	С			
Product identifier Millipore - HMINS-MAG	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information Not a hazardous substance or mixture
					according to Regulation (EC) No 1272/2008.

53-PP Beads	Magnetic				
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMPP-MAG					Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Human Metab	olic Hormon	e Expanded	Panel Standard		
Product identifier	Pictogram	Signal Word	Hazard Statements	Precautionary Statements	Supplemental information
Millipore - HMH3-8034		Danger	Harmful if swallowed or if inhaled. Toxic in contact with skin. Toxic to aquatic life with long lasting effects.	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Avoid release to the environment. IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell. Wear protective	

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gloves/ protective
clothing. IF
INHALED:
Remove person
to fresh air and
keep
comfortable for
breathing. Call a
POISON
CENTER/ doctor
if you feel
unwell.

Human Metab	olic Hormon	e Expanded	d Panel Quality Co	ntrol 1 & 2	
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore - HMH3-6034		Danger	Harmful if swallowed or if inhaled. Toxic in contact with skin. Toxic to aquatic life with long lasting effects.	Avoid breathing dust. IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Avoid release to the environment. IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell. Wear protective gloves/ protective clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. Call a	

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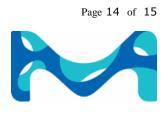
Human Metab	olic Hormon	e Exp Panel	<b>Detection Antibo</b>	dies 1	
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore -					Not a hazardous
HMH3-1034-1					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

Human Metab	olic Hormone	e Exp Panel	<b>Detection Antibo</b>	dies 2	
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore -					Not a hazardous
HMH3-1034-2					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

<b>Bead Diluent</b>					
Product	Pictogram	Signal	Hazard	Precautionary	Supplemental
identifier		Word	Statements	Statements	information
Millipore -					Not a hazardous
HMH3-BD					substance or
					mixture
					according to
					Regulation (EC)
					No 1272/2008.

hycoerythri	n			
Pictogram	Signal	Hazard	Precautionary	Supplemental
	Word	Statements	Statements	information
¢.	Warning	Causes serious eye irritation.	Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/ face protection. If eye irritation persists: Get	
		Word	Pictogram Signal Hazard Word Statements Warning Causes serious	PictogramSignal WordHazard StatementsPrecautionary StatementsWarningCauses serious eye irritation.Wash skin thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Wear eye protection/ face protection. If eye irritation

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