



Guest Medical

Safety Data Sheet [according to Regulation (EC) No. 1907/2006]


Version number: 2.0 Revision date: 10-november-2017

(supersedes all previous MSDS or SDS documents provided for this product).

SECTION 1 - Identification of the substance/mixture and of the company/undertaking

1.1	Product Identifiers Product Name: Fetal Cell detection Kit (FCD Kit) – Part A (Eluting) Product Codes: 05-050; 05-052
1.2	Relevant identified uses of the substance or mixture and uses advised against Relevant Identified Uses: Detection of fetal cells in the maternal circulation.
1.3	Details of the supplier of the safety data sheet Company: Guest Medical Unit A6, Larkfield Trading Estate, Aylesford Kent. ME20 6SW United Kingdom E-mail: enquiries@guest-medical.co.uk
1.4	Emergency Telephone Number: + 44 (0) 1622 791895 Opening hours 08:30 – 17:00 Monday to Friday English language service ONLY.

SECTION 2 - Hazards identification

2.1	Classification according to Regulation (EC) No. 1272/2008 using the bridging principle: Flammable liquids (Category 2), H225 Acute toxicity, Inhalation (Category 3), H331 Acute toxicity, Dermal (Category 3), H311 Acute toxicity, Oral (Category 3), H301 Specific target organ toxicity – single exposure (Category 1), H370 For the full text of H statements mentioned in this Section, see Section 16.
2.2	Label elements Label according Regulation (EC) No 1272/2008: Hazard Pictograms:  Signal word: Danger Hazard statements: H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H370 Causes damage to organs. Precautionary statements: P210 Keep away from heat/ sparks/ open flames/ hot surfaces – No smoking. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P280 Wear protective gloves/ protective clothing. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P311 Call a POISON CENTER or doctor/ physician. Supplemental hazard statements: None.
	Other hazards None.

SECTION 3 - Composition/information on ingredients3.2 **Mixtures**

Name	CAS No.	REACH Registration No.	% v/v
Methanol	67-56-1	01-2119392409-28-XXXX	25-30
Potassium chloride	7447-40-7	01-2119539416-36-XXXX	<0.5
Magnesium chloride	7786-30-3	01-2119485597-19-XXXX	<0.1
Iron trichloride	7705-08-0	01-2119497998-05-XXXX	<0.2
Haematoxylin	517-28-2	-	<0.3
Water	7732-18-5	-	Balance

SECTION 4 - First aid measures4.1 **Description of first aid measures**

General notes:	Consult a physician. Show this safety data sheet to the doctor in attendance.
After skin contact:	Wash off with soap and plenty of water and SEEK MEDICAL ADVICE.
After eye contact:	Rinse with water for at least 15 minutes and then SEEK MEDICAL ADVICE.
After ingestion:	Do not induce vomiting. Wash mouth thoroughly with water and SEEK MEDICAL ADVICE.
After inhalation:	Move person into fresh air. If not breathing, give artificial respiration and SEEK MEDICAL ADVICE.

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

Effects as described in section 2.2.

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

No data available.

SECTION 5 – Fire-fighting measures5.1 **Extinguishing media**

Suitable extinguishing media: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
 Unsuitable extinguishing media: Standard water based foam.

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

Hazardous combustion products: Carbon oxides, formaldehyde.

5.3 **Advice for fire-fighters**

Wear self-contained breathing apparatus.

SECTION 6 - Accidental release measures6.1 **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment – see section 8.
 For large spillages evacuate area and prevent access to spillage area during clean up. Remove sources of ignition. Potential for vapours to accumulate to produce an explosive atmosphere. Vapour can accumulate at low level.

6.2 **Environmental precautions**

Prevent product from entering surface or ground water drains.

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

Soak up with inert absorbent material and dispose of as hazardous waste.
 Clean site of spillage with water and detergent.
 Where appropriate use signage to indicate wet surface / a slip hazard.

6.4 **Reference to other sections**

Refer to sections 8 and 13.

SECTION 7 - Handling and storage

7.1	Precautions for safe handling Measures to prevent fire:	Do not use in close proximity to naked flame, hot surface and other potential sources of ignition.
	Measures to prevent aerosol and dust generation: Measures to protect the environment: Advice on general occupational health:	Use in a well ventilated area. Prevent entry to surface drains and ground water. Do not eat, drink or smoke whilst handling this product. Remove any contaminated clothing or protective equipment before leaving the work area. Wash hands after use.
7.2	Conditions for safe storage Store at room temperature (12 and 25°C) away from potential sources of ignition and incompatible materials (see section 10).	

SECTION 8 - Exposure controls/personal protection

8.1	Control parameters This product contains the following substance with an occupational exposure limit value according to EH40/2005 Workplace Exposure Limits (UK). Methanol – LTEL 200ppm/ 266mg.m ⁻³ , STEL 250ppm/ 333mg.m ⁻³ (Switzerland: STEL 800ppm/ 1040 mg.m ⁻³ : MAK 200ppm/ 260mg.m ⁻³ ; Sk)	
8.2	Exposure controls Appropriate engineering controls: Personal protective equipment: Environmental exposure controls:	Control inhalation risk with local exhaust ventilation (LEV) appropriate for the volume being handled. When handling large volumes wear eye protection conforming to EN 166. Use natural or nitrile rubber gloves conforming to EN 374 shown to be chemically resistant to category A. Where inhalation risk is not adequately mitigated with LEV use respiratory protective equipment either a full face mask conforming to EN 136 or valve filtering half mask to EN405 or half mask to EN140. Use A (brown; low boiling organic solvent) type filter conforming to EN371. Where RPE is used a face fit test should be carried out. Refer to sections 6 and 13.

SECTION 9 - Physical and chemical properties

9.1	Information on basic physical and chemical properties	
	a) Appearance	Black liquid
	b) Odour	No data available
	c) Odour threshold	No data available
	d) pH	1.8-2.1
	e) Melting point/freezing point	No data available
	f) Initial boiling point and boiling range	No data available
	g) Flash point	No data available
	h) Evaporation rate	No data available
	i) Flammability	No data available
	j) Upper/lower flammability or explosive limits	No data available
	k) Vapour pressure	No data available
	l) Vapour density	No data available
	m) Relative density	No data available
	n) Solubility(ies)	Miscible with water
	o) Partition coefficient (n-octanol/water)	No data available
	p) Auto-ignition temperature	No data available
	q) Decomposition temperature	No data available
	r) Viscosity	No data available
	s) Explosive properties	No data available
	t) Oxidising properties	No data available

SECTION 10 - Stability and Reactivity

10.1	Reactivity Non-reactive under normal conditions of storage and use.
10.2	Chemical stability Stable under normal conditions of storage and use.
10.3	Possibility of hazardous reactions Under appropriate conditions can react with strong acids and bases, strong oxidising agents.
10.4	Conditions to avoid Keep away from flames, hot surfaces and other sources of ignition. Storage with incompatible materials.
10.5	Incompatible materials Strong acids and bases, strong oxidising agents.
10.6	Hazardous decomposition products From methanol – carbon oxides, formaldehyde.

SECTION 11 - Toxicological information

11.1	Information on toxicological effects No test information available for this product. For methanol: Symptoms of exposure may include headache, dizziness, tiredness, nausea and vomiting. May cause blindness.																				
	<table><tr><td>Acute Toxicity:</td><td>Category 3 - oral, dermal and inhalation LD₅₀ - oral - human - 143 mg/kg LD₅₀ Oral - rat - 2,769 mg/kg LC₅₀ Inhalation - rat - 4 h - 128.2 mg/l LC₅₀ Inhalation - rat - 6 h - 87.6 mg/l LD₅₀ Dermal - rabbit - 17,100 mg/kg</td></tr><tr><td>Skin corrosion/irritation:</td><td>Based on the data available the classification criteria are not met.</td></tr><tr><td>Serious eye damage/irritation:</td><td>Based on the data available the classification criteria are not met.</td></tr><tr><td>Respiratory or skin sensitisation:</td><td>Based on the data available the classification criteria are not met.</td></tr><tr><td>Germ cell mutagenicity:</td><td>Based on the data available the classification criteria are not met.</td></tr><tr><td>Carcinogenicity:</td><td>(Mutagenic effects in animals have been recorded). Not identified as a probable, possible or confirmed human carcinogen by IARC.</td></tr><tr><td>Reproductive toxicity:</td><td>Based on the data available the classification criteria are not met. (Reproductive toxicity and development effects in animals have been recorded).</td></tr><tr><td>STOT – single exposure:</td><td>Category 1 - gastrointestinal tract, central nervous system, eyes, respiratory system, skin, optic nerve, liver, kidney, spleen and blood.</td></tr><tr><td>STOT – repeated exposure:</td><td>Based on the data available the classification criteria are not met.</td></tr><tr><td>Aspiration hazard:</td><td>Based on the data available the classification criteria are not met.</td></tr></table>	Acute Toxicity:	Category 3 - oral, dermal and inhalation LD ₅₀ - oral - human - 143 mg/kg LD ₅₀ Oral - rat - 2,769 mg/kg LC ₅₀ Inhalation - rat - 4 h - 128.2 mg/l LC ₅₀ Inhalation - rat - 6 h - 87.6 mg/l LD ₅₀ Dermal - rabbit - 17,100 mg/kg	Skin corrosion/irritation:	Based on the data available the classification criteria are not met.	Serious eye damage/irritation:	Based on the data available the classification criteria are not met.	Respiratory or skin sensitisation:	Based on the data available the classification criteria are not met.	Germ cell mutagenicity:	Based on the data available the classification criteria are not met.	Carcinogenicity:	(Mutagenic effects in animals have been recorded). Not identified as a probable, possible or confirmed human carcinogen by IARC.	Reproductive toxicity:	Based on the data available the classification criteria are not met. (Reproductive toxicity and development effects in animals have been recorded).	STOT – single exposure:	Category 1 - gastrointestinal tract, central nervous system, eyes, respiratory system, skin, optic nerve, liver, kidney, spleen and blood.	STOT – repeated exposure:	Based on the data available the classification criteria are not met.	Aspiration hazard:	Based on the data available the classification criteria are not met.
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SECTION 12 - Ecological information

12.1	Toxicity No test information available for this product. For methanol: Toxicity to fish mortality: Toxicity to daphnia and other aquatic invertebrates: Toxicity to algae:	 LC ₅₀ - Lepomis macrochirus (Bluegill) - 96 h - 15,400.0 mg/l NOEC - Oryzias latipes - 200 h - 7,900 mg/l EC ₅₀ - Daphnia magna (Water flea) - 48 h - > 10,000.00 mg/l Growth inhibition EC ₅₀ - Scenedesmus capricornutum (fresh water algae) - 96 h - 22,000.0 mg/l
12.2	Persistence and Degradability No test information available for this product. Methanol is readily biodegradable and unlikely to be persistent.	

12.3	Bioaccumulative potential No test information available for this product. Methanol is unlikely to bioaccumulate.
12.4	Mobility in soil No test information available for this product. Methanol will disperse rapidly in air.
12.5	Results of PBT and vPvB assessment PBT/vPvB assessment is not available for this product as chemical safety assessment is not required/not conducted.
12.6	Other adverse effects No data available.

SECTION 13 – Disposal considerations

13.1	Waste treatment methods Use a licensed waste disposal service to dispose of this material and any container washings. Wash out containers with water before reuse, recycling or disposal of container.
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SECTION 14 - Transport information

14.1	UN Number	1230
14.2	UN proper shipping name	Methanol
14.3	Transport hazard class(es)	3 (subsidiary hazard class 6.1)
14.4	Packing group	II
14.5	Environmental hazards	Not applicable.
14.6	Special precautions for user	No data available.

SECTION 15 - Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture UK legislation: The Management of Health and Safety at work Regulations 1999 [SI 1999 No. 3242] (regulation 3) requires suitable and sufficient assessment of risks in the workplace. Assessment should include arrangements to so far as reasonably practical ensure the safe use, handling, storage and transport of this product. Waste product and packaging should be disposed of in accordance with the Environmental Protection Act 1990 [1990 Chapter 43].
15.2	Chemical Safety Assessment No chemical safety assessment has been carried out for this product.

SECTION 16 - Other information

Revision date: 10. 11. 2017 Revision number: 2 Supersedes: 26. 03. 2015	
Full text of H-Statements referred to under sections 2:	
H225 H301 H311 H331 H370	Highly flammable liquid and vapour. Toxic if swallowed. Toxic in contact with skin. Toxic if inhaled. Causes damage to organs.
Disclaimer	
This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself Information for his own particular use.	

