

Safety Data Sheet

Paracetamol (Acetaminophen) Assays Salicylate Enzyme Assay Kit

1. IDENTIFICATION OF THE SUBSTANCES / PREPARATIONS

Code	Paracetamol	Standards (Calibrators)	Reagent A	Reagent B / Colour Reagent	Enzyme	Enzyme diluent	NADH Reagent	Enzyme Diluent K8003
K8001	Paracetamol 20 test						n.a.	n.a.
K8002	Paracetamol 60 test						n.a.	n.a.
K8003	Paracetamol kit		n.a.			n.a.	n.a.	
K9001	Salicylate test		n.a.	n.a.		n.a.		n.a.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Key	Ingredient	Conc ⁿ	CHIP Number	CAS Number	EEC Number
	Animal or human source material	Variable			
	<i>o</i> -Cresol*	0.9%	604-004-00-9	95-48-7	202-423-8
		0.1%	604-004-00-9	95-48-7	202-423-8
	Sodium azide*	< 0.1%	011-004-00-7	26628-22-8	247-852-1
	Sodium carbonate*	< 10%	011-005-00-2	497-19-8	207-838-8
	Ammonium chloride*	< 1%	017-014-00-8	12125-02-9	235-186-4
	Copper sulphate*	< 0.1%	029-004-00-0	7758-98-7	237-841-6
	Sodium EDTA	1.10%		139-33-3	

*Concentration below lower limit of CHIP hazard classification

3. HAZARDS IDENTIFICATION

Animal or human source material	Material is potentially infectious Greatest risk is from contact with uncovered cuts or from contaminated sharps or broken glass
<i>o</i> -Cresol	Harmful in contact with skin and if swallowed Irritating to eyes and skin Ingestion or skin absorption can cause headache, dizziness, vomiting, stomach pain, exhaustion and possible coma Repeated exposure to low levels can cause liver and kidney damage and dermatitis
Sodium azide	Very toxic if swallowed Contact with acids liberates very toxic gas
Sodium carbonate	Irritating to the eyes
Ammonium chloride	Harmful if swallowed Irritating to the eyes
Copper sulphate	Harmful if swallowed Irritating to eyes and skin
Sodium EDTA	Harmful if swallowed Irritating to eyes and skin

4. FIRST AID MEASURES

Skin	Flush site of contact with running water until all traces of reagent have been removed
Eyes	Flush eyes with running water - ensure adequate flushing of the eyes by separating the eyelids with fingers if necessary
Ingestion	Wash out mouth with water - seek medical advice immediately (show the label where possible)
Inhalation	Remove to fresh air

5. FIRE FIGHTING MEASURES

Water, CO₂, foam or dry powder may be used

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6. ACCIDENTAL RELEASE MEASURES

Assays should be performed in a suitable containment tray or on absorbent sheeting, e.g. Benchkote®
Spillages should be mopped up with paper towels and waste incinerated
Wash site of spill with detergent and water
See 8. EXPOSURE CONTROLS / PERSONAL PROTECTION
See 13. DISPOSAL CONSIDERATIONS

7. HANDLING AND STORAGE

Do not eat, drink or smoke when handling reagents and samples
Wash hands thoroughly after handling reagents and samples
Refer to instruction leaflet and labeling for storage conditions

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Do not pipette by mouth
Ensure skin cuts are covered with a plaster
Avoid contact with skin, eyes and clothing
Use only in a designated laboratory
Do not eat, drink or smoke in the laboratory
Store used sharps and pipette tips in a suitable container, e.g. Cin-Bin®
Wear chemical resistant gloves, safety glasses or goggles and a laboratory coat

9. PHYSICAL AND CHEMICAL PROPERTIES

o-Cresol Diluted in aqueous buffer solution
Mol. Wt. 108.14

10. STABILITY AND REACTIVITY

o-Cresol Avoid contact with oxidising agents and bases
Avoid exposure to light and air

11. TOXICOLOGICAL INFORMATION

o-Cresol See 3. HAZARDS INFORMATION
NADH + Enzyme Reagent Prolonged or repeat exposure may cause allergic reaction in certain sensitive individuals
Sodium EDTA LD50: > 2000 mg/kg oral rat

12. ECOLOGICAL INFORMATION

Not available

13. DISPOSAL CONSIDERATIONS

Animal or human source material Clinical waste - all biohazardous reagents, samples and plates must be incinerated
Other reagents - dilute by adding to a large volume of water and flush down the drain

14. TRANSPORT INFORMATION

IATA - Not classified as dangerous goods

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15. REGULATORY INFORMATION

Symbols

Risk Phrases

o-Cresol R21/22 Harmful in contact with skin and if swallowed
R36/38 Irritating to eyes and skin

Safety Phrases

o-Cresol S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S45 In case of accident or if you feel unwell, seek medical advice immediately
(show the label where possible)

European Directives

The information given in this Data Sheet and on product labeling complies with the requirements of the following European Directives:

67/548/EEC Dangerous Substances
88/379/EEC Dangerous Preparations
91/155/EEC Safety Data Sheets
93/21/EEC Chemicals (Hazard Information and Packaging for Supply) (as amended by 96/54/EEC)

US Regulations

All products are subject to regulation under the US Federal Food, Drug and Cosmetic Act
All products are exempt from US Toxic Substances Control Act inventory listing requirements

Control of Substances Hazardous to Health (COSHH) Regulations

This information does not constitute an assessment of risk in the workplace, but may be used in such an assessment
Risk assessments are the responsibility of the user and depend on local conditions of use

16. OTHER INFORMATION

Products are for *in vitro* diagnostic use only
Products are designed for professional use only - users must be appropriately trained to use these products
Further technical advice is available from Cambridge Life Sciences

References

Approved Supply List (Information approved for the classification and labeling of substances and preparations dangerous for supply)
(Health and Safety Commission)
The Sigma-Aldrich Library of Chemical Safety Data
(Sigma-Aldrich Corporation)
Material Safety Data Sheet - Diagnostic Chemicals Ltd.