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Conidia Bioscience, FUELSTAT® Kits

Product details			
Common name/ Product type	Brand name	Description of individual test contained in sealed foil pouch.	Package details (total size and size per unit)
Test kits using Lateral Flow Devices (LFD) for detection of microbial contamination in kerosene fuels. <i>Note 1</i>	Fuelstat <i>resinae</i>	Tests comprise 2 LFDs each containing between 0.1 and 1.0 ug of antibody and between 0.1 and 0.6 ug of antigenic material, both immobilised on a membrane (Note 1). The antibodies are raised against antigenic material which comprises a mixture of metabolites and cell wall material produced from: <i>Hormoconis resinae</i> <ul style="list-style-type: none"> • Pouch also contains a non-biological extraction fluid and a silica gel descant bag. <i>Note 2</i> • Extraction fluid is contained in sample bottle. <i>Note 3</i> 	8 tests per box. 1 box size: 260mm x 170mm x 170 mm (L x W x H) (Weight 0.632 kgs)
Test kits using Lateral Flow Devices (LFD) for detection of microbial contamination in kerosene and diesel fuels. <i>Note 1</i>	Fuelstat <i>resinae</i> Plus and Fuelstat Diesel.	Tests comprise 6 LFDs each containing between 0.1 and 1.0 ug of antibody and between 0.1 and 0.6 ug of antigenic material both immobilised on a membrane (Note 1). The antibodies are raised against antigenic material which comprises a mixture of metabolites and cell wall material produced from one of: <i>Hormoconis resinae</i> <i>Psuedomonas putida</i> <i>Yarrowia lipolytica</i> Antigenic material is gamma irradiation sterilized in a commercial facility before use on the LFDs. <ul style="list-style-type: none"> • Pouch also contains a non-biological extraction fluid and a silica gel descant bag. <i>Note 2</i> • Extraction fluid is contained in sample bottle. <i>Note 3</i> 	8 tests per box. 1 box size: 320mm x 180mm x 225 mm (L x W x H) (Weight 1.35 kgs)

Note 1: LFDs are plastic housings containing; -

Cellulose/ nitrocellulose (CAS No: 9004-70-0) membrane filter pads, absorbent paper pad, paper sample pad, backing strip, colloidal gold, polyester conjugate pad. Quantities of nitrocellulose are not classified as hazardous for transport (UN 3270, IATA ID A122 refers).

Colloidal gold comprises less than 1 mg in total per complete test paddle; i.e. per 6 LFDs. This equates to <0.002% of the test paddle and <0.0008% of the complete pouched test paddle and sample bottle.

Note 2: Extraction fluid-15 mLs of buffer salt solution, surfactant and blue food colouring preserved using ProClin 950 used at 0.06% which is classified as non-harmful at these concentrations. The active ingredient of ProClin 950 is 2-Methyl-4-isothiazolin-3-one (MIT) (CAS-No: 2682-20-4) at 9.5-9.9% solution.

Extraction fluid	
chemical	[%]
NaCl	0.8
KCl	0.02
KH ₂ PO ₄	0.02
Na ₂ HPO ₄ .7H ₂ O	0.547
Tween 20	0.1
ProClin 950	0.06
Ice Blue Dye	0.0025
Distilled Water	98.4505

Note 3: Sample bottles and lids manufactured from Polypropylene random copolymers.

Date: 30th January 2018

Technical Director Signature:

Dr Joan Kelley

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