

TECRA®

PSEUDOMONAS VISUAL IMMUNOASSAY

A rapid and specific screening test for the detection of *Pseudomonas spp.* in food, water, environmental samples, raw materials, cosmetic and pharmaceutical products.

Why consider a rapid test for Pseudomonas?

- ◆ Contamination of cosmetics, toiletries and pharmaceuticals by Pseudomonas species is well documented. These organisms are notorious for their ability to survive and rapidly multiply in raw materials, production environments and process water systems where they may cause products to be contaminated. Pseudomonas species are also associated with the spoilage of a range of food types including dairy products, eggs, fish, meat products and vegetables.
- ◆ Pseudomonas species have been linked to consumer infection and product spoilage, resulting in sickness and substantial economic loss. **Early detection of product contamination** and subsequent corrective action may help to avoid the costly consequences.
- ◆ The TECRA VIA method can provide a positive or negative result the next day for *Pseudomonas aeruginosa* and within 2 days for all *Pseudomonas spp.* This is up to 6 days sooner than with conventional methods.



Ps. aeruginosa Result Next Day!

The TECRA Advantages



Fast

One of the fastest screening tests available for Pseudomonas species. This means:

- ◆ Product that was held for up to 7 days awaiting the test results for slow growing organisms can be released and shipped within 48 hours.
- ◆ Early warning of process water system contamination.
- ◆ Early warning of production environment contamination.
- ◆ Product tested at a number of intermediate production stages can be quickly cleared.
- ◆ Raw materials and finished products can be rapidly screened. A single enrichment broth may be used to screen for both *Pseudomonas spp.* and *Staphylococcus aureus*, using the TECRA Pseudomonas Visual Immunoassay (VIA) and the TECRA Staphylococcus aureus VIA.



Simple and convenient

- ◆ All reagents provided ready to use.
- ◆ Easy-to-read results.
- ◆ No membrane strip which may become clogged with sample residue and affect the test result.



Accurate & Reliable

- ◆ Unique high affinity TECRA antibodies give results in which you can have confidence. Sensitivity : 1-5 cfu/1 gram of sample



Economical

- ◆ The simplicity of the TECRA method frees up laboratory time for other tasks and projects. More can be accomplished with the same labor.
- ◆ Rapid results allow inventory to be released earlier, thus reducing holding costs.



✓ Proven Performance

- ◆ Comparative studies showed performance equivalence to standard cultural methods.

✓ Customer Support

- ◆ You can rely on the extensive training, technical and sales support from TECRA staff and also through TECRA's global network of distributors.

✓ Flexible

- ◆ Recommended for a wide range of raw materials, finished products, water and environmental samples in the cosmetic and pharmaceutical industries, and for a wide range of foods.
- ◆ Depending on your specific needs, the kit can be used manually or automated for large scale testing.

Materials Required (not included in the kit):

- ◆ 35-37°C Incubator for *Ps. aeruginosa*
- ◆ 30°C Incubator for *Pseudomonas spp.*
- ◆ Serological pipettes (5mL)
- ◆ Plastic squeeze bottle (500mL)
- ◆ Pipettes to dispense 20µL, 50µL and 200µL
- ◆ Pipette tips
- ◆ Plastic cling wrap film
- ◆ Boiling water bath or equivalent (100°C) heating device
- ◆ Small screw-cap bottles or tubes (e.g. 5mL) suitable for boiling

When testing cosmetics and pharmaceuticals:

- ◆ Modified Lethen Broth or Tryptone Soy Broth with 4% Tween

When testing water:

- ◆ TECRA Pseudomonas Enrichment Broth or Modified Lethen Broth
- ◆ 0.45µm cellulose acetate filter

When testing food:

- ◆ TECRA Pseudomonas Enrichment Broth

Product Information

TECRA Product Code	No. of Wells	Max. No. of Tests	Min. No. of Tests
PSDVIA 48	48	46	1
PSDVIA 96	96	94	1

Products for use with PSEUDOMONAS VIA

	TECRA Product Code	Pack Size	Sufficient for:
TECRA Pseudomonas Enrichment Broth Base	TPE(B)MED500	500g	12 litres of medium
TECRA Pseudomonas Enrichment Supplement	TPESUP010	10 vials	5 litres of medium
TECRA Modified Lethen Broth	MLBMED500	500g	11.5 litres of medium

Your Partner in Rapid Testing



www.tecra.net

TECRA International Pty Ltd

13 Rodborough Road, Frenchs Forest NSW 2086, AUSTRALIA
Telephone: +61 2 8977 3000 Facsimile: +61 2 9453 3422
E-mail: enquiries@tecra.net

Distributed by:

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Excellence in Rapid Testing

TI12 500

PRODUCT INFORMATION