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## TECHNICAL INFORMATION

Catalog Number: 6040805E, 6041205E, 6041505E, 6041805E

### Multitest Slide

A range of multitest slides are available which have many applications including immunofluorescence, cell culture, slide agglutination tests and histology. These high quality glass slides have a unique PTFE coating which offers several important advantages:

- Self draining surface
- Resistant to common organic solvents and fixatives
- Resistant to direct heat
- Sterilizable

The uncoated areas have a total wettable surface so that liquid spreads evenly over the area of each well. For cell attachment and growth, the slides require only a simple washing in deionized water or detergent followed by sterilization.

Size: 2.5 cm x 7.5 cm x 1 mm

The following briefly explains a step by step procedure using Multitest Slide for Cell Culture & Immunofluorescence.

### Culture of Cells on Multitest Slides

- Rinse the slides briefly in a warm detergent solution (e.g 3% 7X catalogue number 7667094), then successively in tap water and deionized water.
- Sterilize the slides, preferably by using dry heat at 160°C for 1 hour.
- Place slides in the bottom of a 90mm diameter sterile petri dish.
- Prepare a suspension of cells in the appropriate medium at a concentration of approximately  $5 \times 10^4$  cells/ml. Dispense 25ml of this cell suspension into each petri dish, then incubate in a humid atmosphere of 5% CO<sub>2</sub>/air mixture. The cells will only attach to the uncoated glass.
- When a confluent cell monolayer is achieved, the slides can be withdrawn from the petri dish and rinsed 2 - 3 times in successive changes of saline and then fixed. The method of fixation will vary according to the needs of the particular technique.

### Preparation of Cultured Cells for Immunofluorescence (FA) Test Using Multitest Slides

- Decant the culture medium from a vessel containing a confluent monolayer of cells and replace it with Phosphate Buffered Saline (PBS) pH 7.2. Soak for 10 minutes and then discard the PBS. Repeat with the addition of fresh PBS at least three times.
- Add a further 10ml of PBS to the vessel, then scrape the cells off the surface using a rubber "Policeman".
- Transfer the cell suspension obtained to a conical centrifuge tube and spin at 300-400g for 10-15 minutes. Resuspend the pellet in 10 ml of fresh PBS and centrifuge again.
- Finally, resuspend the cell suspension in a minimal volume of PBS so that a milky coloured suspension is obtained.
- Using a Pasteur pipette, dispense a single drop of this cell suspension onto each well of the Multitest Slide. Clean slide as described in step 1 or (Culture of Cells of Multitest Slides).
- Incubate the slides at 60°C until the drops evaporate to dryness.
- Flood the slides with ice-cold acetone for 1-2 minutes. Discard the acetone and replace with fresh cold acetone for a further 5-10 minutes.
- Air dry the slides. They are now ready for performing the FA test. Alternatively, if the slides are to be stored for later use, they can be sealed in a box with silica gel at -20°C for several weeks.

**NOTE :** The Multitest Slide is not a reusable slide. Soaking and washing after use can cause the P.T.F.E. coating to lift off due to previous reactions of organic solvents and fixatives.

Catalog Number	Well Size	Number of Wells per Slide
6040805E	6mm	8 - well Multitest Slide
6041205E	8mm	12 - well Multitest Slide
6041505E	4mm	15 - well Multitest Slide
6041805E	8mm	10 -well Multitest Slide

100 per box