

# Disposable IR Cards

FOR CONSISTENT, REPRODUCIBLE LABORATORY RESULTS.

For clean, accurate results every time use DOT.IR™ Cards from Performance Systematix Inc. (PSI). DOT.IR cards are constructed of a particulate-free plastic extrusion and utilize high grade, microporous films that are chemically resistant and suitable for a wide range of samples – including those that contain water.

The non-hygroscopic cards are disposable\* and eliminate the need for desiccated storage. Cards come with plastic storage bags for cleanliness which eliminate the

risk of cross-contamination between samples and external elements. DOT.IR cards utilize a high-quality membrane to enhance rapid solvent evaporation, reducing sample preparation time and improving productivity.

The 2" x 4" DOT.IR cards are universally sized to fit major FTIR spectrophotometers without the need for additional apparatus or special alignment features. The PTFE membrane media is pre-stretched across the aperture creating a highly uniform, translucent surface. The result: consistent analysis and reproducible results.

DOT.IR cards are constructed with quality materials for consistent background signatures. The samples remain clean without cellulose interference or contamination. The durable, plastic frames are easy to write on for accurate sample identification and allow for relevant information to remain with the sample for future use.



*\*For safety purposes, DOT.IR cards should be handled and disposed of in a manner appropriate for the sample tested.*

DOT.IR™

DOT.IR cards are produced under clean manufacturing conditions. As a respected medical component supplier since 1984, PSI is known for its excellent quality control standards and procedures.

DOT.IR cards are available with polytetrafluoroethylene (PTFE) aperture media that allows volatile compounds to evaporate rapidly under ambient conditions.

Samples can be applied directly to the cards for qualitative and chemical identification analysis within the 4000 to 400  $\text{cm}^{-1}$  spectral range.

DOT.IR cards are packaged with sample storage bags. DOT.IR PTFE (P/N 05062) cards can be ordered in quantities of 25 (1 box) or by the case of 250 cards (10 boxes).

FEATURES	BENEFITS
<ul style="list-style-type: none"><li>• Non-particulate generating construction</li></ul>	<ul style="list-style-type: none"><li>• Allows for clean samples; eliminates contamination due to sample holder material; reduces variables for accurate results</li></ul>
<ul style="list-style-type: none"><li>• Extruded plastic cards are rigid and non-porous</li></ul>	<ul style="list-style-type: none"><li>• Plastic cards do not absorb oils, fumes or moisture to contaminate samples</li></ul>
<ul style="list-style-type: none"><li>• Membranes are “pre-stretched” for consistent tension across the aperture</li></ul>	<ul style="list-style-type: none"><li>• Creates a thin, uniform viewing surface without ripples or aberrations for accurate, reproducible results</li></ul>
<ul style="list-style-type: none"><li>• Dual purpose membrane can also serve as a filter</li></ul>	<ul style="list-style-type: none"><li>• Allows sample to filter through the membrane yet retain important properties for analysis</li></ul>



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