

DRY ANALYTICAL ELEMENT FOR THE DETECTION OF
PROSTATIC ACID PHOSPHATASE

Abstract

5 A dry analytical element has been prepared
for the assay of prostatic acid phosphatase at a pH of
from 3 to 6.5. The element can be a single porous
spreading zone or a multilayer structure. Within the
element is a relatively nonhygroscopic aromatic
10 phosphate substrate for the analyte which produces a
phenol reaction product. This product is reacted with
a diazonium or tetrazolium salt, also in the element,
to produce a chromophore for detection. A buffer in
the element maintains it at the proper pH during the
15 assay.