

## BETA IMAGER™ & MICRO IMAGER™ HIGH SENSITIVITY & HIGH RESOLUTION

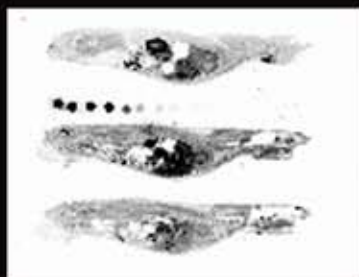


- Absolute quantitation with cpm
- Sensitive to all  $\beta^+$ ,  $\beta^-$  emitters & most of  $\gamma$  emitters ( $^{99m}\text{Tc}$ ,  $^{111}\text{In}$ ,  $^{131}\text{I}$ , ...)
- Hundreds times faster than all indirect technics

BIOCHEMISTRY  
 BIODISTRIBUTION  
 CANCER RESEARCH  
 COSMETIC SCIENCE  
 ENVIRONMENT  
 GENOMICS  
 INFECTIOUS DISEASES  
 NEUROSCIENCES  
 NUCLEAR MEDICINE  
 PHARMACOLOGY  
 PHYSIOLOGY

### UNMATCHED SENSITIVITY TO TRITIUM

Cuts imaging From Weeks to Hours  
 Quicker than Film or Storage Phosphor Screen



Whole body section labeled with  $^3\text{H}$ ,  
 Acquisition time: 15 hours  
 Courtesy of A. Molatt & P. Mitchell, Pfizer, UK



### HIGH RESOLUTION IMAGES & QUANTITATIVE DATA

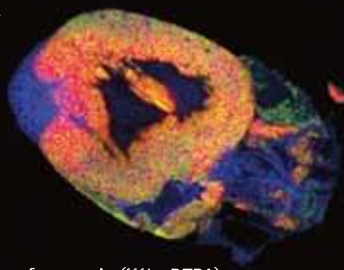
Image resolution comparable to film with a four to five order linear dynamic range



Choroid Membrane of a rat eye ( $^{14}\text{C}$ -label)  
 Courtesy of Dr. Delbos, Servier Laboratories, France

### MULTI-LABELING AUTORADIOGRAPHY

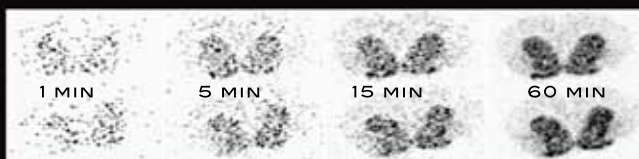
Exclusive Patented Technology  
 Discriminate between several radioisotopes simultaneously



Simultaneous detection of necrosis ( $^{111}\text{In}$ -DTPA),  
 glucose intake ( $^{18}\text{F}$ -FDG) and tissue perfusion ( $^{99m}\text{Tc}$ -Sestamibi)  
 Courtesy of P. Poussier, CHU Nancy, France

### REAL-TIME ACQUISITION

Avoids under or over exposure  
 Follow your image acquisition during each experiment



Distribution of D1 receptors ( $^3\text{H}$ -SCH23390) in the rat striatum  
 Courtesy of X. Langlois, Janssen Research Foundation, Belgium