

EnzMet™ HRP Stain

Better HRP Detection with Enzyme Metallography

**Simply better than DAB...
High resolution**

**See single copies of genes!
Sharp, black, permanent stain**

**Heard of SISH?
(Silver In Situ Hybridization)**

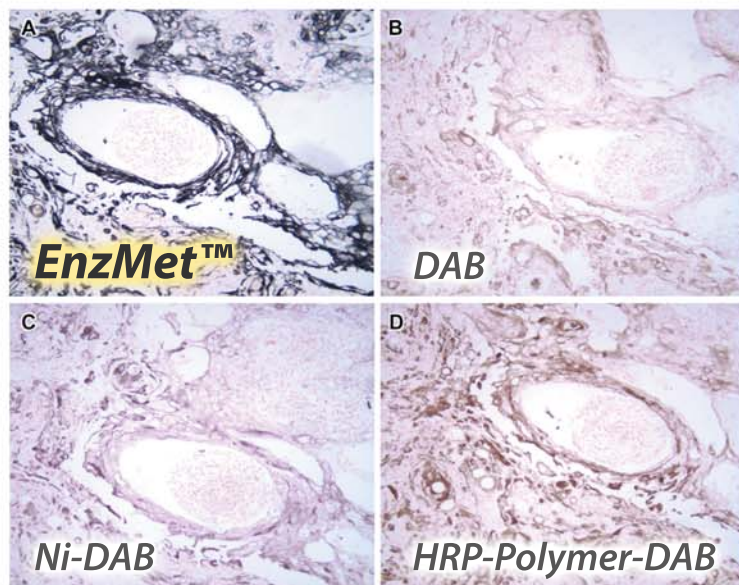
**It's better than FISH
and it's EnzMet™!**

What is EnzMet™?

Clearer, crisp staining

EnzMet™ is a biological labeling and staining method where a targeted enzymatic probe is used to selectively deposit metal at sites of interest.

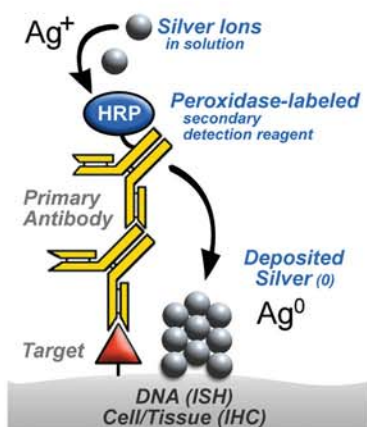
EnzMet™ has proven to be very clean and sensitive both for immunohistochemistry (IHC) detection, and in situ hybridization (ISH), where it readily visualizes both endogenous copies of single genes and allows the counting of copies of amplified genes.



Detection of cytokeratin of tumor tissue in bladder cancer.

**for *in situ* hybridization (ISH)
and immunohistochemistry (IHC)**

The sharply resolved black signal, used for in situ hybridization, is readily distinguished from other stains, and has been combined with fast red K immunohistochemistry to provide a concomitant brightfield gene and protein assay.



- **Visible by EM without further enhancement**- see at even higher resolution
- EnzMet™ technology uses horseradish peroxidase (HRP) to deposit metallic silver with extraordinary selectivity. **Background is virtually zero**
- **Ultra high sensitivity: detect single copies of target genes** or low-abundance proteins, with almost no background
- **Virtually no diffusion of reaction product means super-sharp signals with highest resolution**
Individual gene copies are clearly differentiated
- **Black, sharply defined, non-diffusing stain - clearly see underlying morphology**
- **Readily distinguished from most counterstains**
- **Does not fade or bleach:** specimens stained with EnzMet™ can be archived indefinitely

6001	EnzMet™ IHC / ISH HRP Detection Kit	150 slides, 30 mL
6002	EnzMet™ Western Blot HRP Detection Kit	100 mL
6010	EnzMet™ for General Research Applications	45 mL

 **Nanoprobes.com**

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