

# Hypoxyprobe™ Gemini Kit

## Applications:

Use the Hypoxyprobe Gemini Kit to follow longitudinal changes in hypoxia in a single tissue sample by means of immunochemical detection including immunoperoxidase, immunofluorescence or flow cytometry. Kletier et al have used immunoperoxidase analysis on consecutive sections from the same tissue (Kleiter et al., Int. J. Radiation Oncol. Biol. Phys. 64(2): 592-602, 2006) while Ljungkvist et al. have used more sophisticated techniques for immunofluorescence analyses of dual hypoxia markers on the same tissue section (Int. J. Radiat. Oncol. Biol. Phys. 62(4): 1157-1168, 2005).

## Kit Contents:

Hypoxyprobe™ Gemini Kits contain 100 mg each of the hypoxia markers, pimonidazole, HCl and CCl-103F (Hypoxyprobe™-1 and –F6, respectively). In addition, each Kit contains 200 uL of diluted (1/10) anti-pimonidazole and 200 uL of diluted (1/1) anti-CCl-103F non-crossreacting rabbit antisera. Investigators will determine optimal operating dilutions of the antisera for their individual experiments but as a general guide 1/500 -1/1000 dilutions give strong immunoperoxidase staining when combined with peroxidase conjugated goat anti-rabbit antisera. Lower dilutions of 1/50-1/200 might be more appropriate for dual marker immunofluorescence studies (Ljungkvist et al., 2005).

## Not supplied:

Secondary and tertiary reagents used for immunohistochemical analysis such as antirabbit secondary reagents.

## Storage:

- a. Store Hypoxyprobe™-1 and –F6 in subdued light at 2-8 degrees C .
- b. Store diluted rabbit antisera at 2-8 degrees C.

Available in the European Union through