

## MALEIMIDE COATED PCR 8 STRIP TUBES

The Biomat product is a PCR 8 strip tubes coated with maleimide and treated to block non-specific binding sites and to maintain stable activity.

Maleimide coated surfaces offer a powerful instrument for binding biomolecules containing free sulfhydryl groups (e.g. peptides that contain a terminal cysteine or thiol containing haptens), or reducible disulfide bonds that are difficult to coat onto polystyrene plates. These coated PCR 8 strips tubes are a very useful tool for assays requiring site-directed orientation of particular biomolecules especially during antibody production.

At pH 6.5-7.5 maleimide reacts with free sulfhydryl groups to yield stable bonds, while the reaction with amine becomes significant at pH > 7.5.

If sulfhydryl-containing peptides and proteins oxidize in solution and form disulfide bonds, they must be preventively reduced to free sulfhydryls for allowing interaction with maleimide.

### **Product specifications**

#### **Coating**

A derived maleimide is coated using 100 µl/tube. The PCR 8 strip tubes are post-coated (blocked) for low non specific binding and long-term stability.

#### **Storage and Stability**

The Maleimide PCR 8 strip tubes, if unopened, are stable refrigerated until the expiration date printed on the label.

If opened, store in closed pouch with desiccant and use within the expiration date.