

## POLY- L-ARGININE COATED SURFACE

Biomat has developed a polystyrene surface with physically adsorbed poly-L-Arginine. The monomeric L-Arginine chain shows a high density of groups:

- $\alpha$ -amino
- $\alpha$ -carboxyl
- guanidino

these groups are able to react through electrostatic and stereospecific bonds.

The polystyrene optical features don't change, allowing the modified surface to be used as a valid tool to carry out biological tests.

This surface shows its usefulness for these applications:

- **interactions with serino proteases**
- **interactions with maturation promoting factors**