

Needles, spreaders and inoculating loops are important tools used in large numbers in clinical microbiology for a multitude of different tasks. Some of these tasks involve the planting and streaking of hundreds of urine specimens per day or the careful selection and teasing out of suitable material for culture within tenacious samples like sputum, pus, tissue or feces.

The type and style of loops used depends on the particular task at hand and the microbiologists who have strong personal preferences to which style they find most efficient and suited to a particular job. One fact is certain, there is no single type of loop that is multipurpose and covers all applications.

Some microbiologists prefer to use metal loops together with a bacteriological incinerator or Bunsen, allowing them to re-sterilize and re-use loops, while others prefer or need to use single use disposable plastic applicators. Plating and streaking specimens in the safety hood usually requires the use of plastic disposable loops. Plastic loops are also manufactured with different types of plastic material that impact the loops' rigidity or flexibility to meet different operator preferences.

Rigid plastic loops work better for scraping or harvesting organisms from a slant or plate and for making stab cultures. Different tasks and preferences mean that many laboratories have to stock different types of loops. P.I.P. loops and spreaders including: metal loops, inoculating loop holder, plastic loops along with inoculating needles, spherical and T-shaped spreaders are a complete and efficient set of tools for users.



1st floor , No.12, Naghdi St., Jahantab St.,
Mottahari Ave. Tehran, Iran
Tel: +98 21 88545922-9
Fax: +98 21 88765561 & +98 21 88767159
Postal code: 1576635714 P.O. Box: 15875-9483



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P.I.P. SAFETY BOX

www.medpip.com
info@medpip.com



Pole Ideal Pars

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**Inoculating Loops,
Needles and Spreaders**



Pole Ideal Pars

Standard loop (Plastic)

- ▶ Available in 2 models:
PP (flexible) & PS (hard)
- ▶ Sterile
- ▶ Disposable
- ▶ Thin thip + Loop (1 and 5 μ l) - Loop + Loop (1 and 10 μ l)
- ▶ Resistant to common laboratory chemicals



Spherical spreader with needle

- ▶ Available in 2 models:
PP (flexible) & PS (hard)
- ▶ Sterile
- ▶ Disposable
- ▶ Resistant to common laboratory chemicals



T-shaped Spreader

- ▶ Designed for surface spreading
- ▶ Disposable
- ▶ Resistant to common laboratory chemicals
- ▶ Available in 2 models PP (flexible) & PS (hard)
- ▶ 36 mm length for spread in all dishes



Standard loop (metal)

- ▶ Made of special Alloys
- ▶ Sampling certain volume
- ▶ 5 μ l volume capacity
- ▶ Flexible
- ▶ Enough strength to take samples
- ▶ Sterilizable by direct flame
- ▶ Length: 60mm

