

# Fungicrom Separating Chambers



Thin Layer Chromatography (TLC) is like all chromatographic techniques, based on a multistage distribution process.

This process involves: a suitable adsorbent (the stationary phase), solvents or solvent mixtures (the mobile phase), and the sample molecules. For thin layer chromatography the adsorbent is coated as a thin layer onto a suitable support (e.g. glass plate, polyester or aluminium sheet).

On this layer the substance mixture is separated by elution with a suitable solvent. The most frequently used separation technique is ascending TLC in a glass chamber (standard method, linear development). Usually it is applied as single development. However, multiple development, with or without change of mobile phase can improve separation results.

For these reason, FUNGILAB, S.A. is offering a wide range of glass tanks as well as fixing sprays.

## **NORMAPLAK TANK (Code NPLAK)**

Body manufactured in tempered glass, with a flat base and smooth, polished upper edges. Lid with handle, with smooth and polished base, forming a perfectly airtight closure with the body of the tank. For plates of 200 x 200 mm.

## **MULTIPLAK TANK (Code MPLAK)**

The size and lid are identical to those of the NORMAPLAK tank. Additional grooves exist on the inside, allowing the storage of up to 5 plates of 200 x 200 mm. The MULTIPLAK tank is used particularly for quantitative analyses, serving also to store plates in a protected environment.

## **MINIPLAK TANK (Code MIPLAK)**

Its features are similar to those NORMAPLAK tank, but it is used for plates of 100 x 100 mm.

## **ROLLERPLAK TANK (Code RPLAK)**

Body manufactured in tempered glass, cylindrically blown with a flat base. Hat type lid. May be use for plates of size 200 x 100 mm. Paper chromatography work may also be performed.

## **Jet Pack Spray (Code JPS)**

Jet Pack spray device comprising: Headpiece, container of reagent and propellant gas (contains no CFC's).

Allows application of a fine layer reagent, with precise controls of the quantities sprayed.

## **Gas Power Unit (Code GPU)**

Propellant gas for Jet Pack Spray (contains no CFC's) (12 units).

## **TLC PLATES AND SHEETS**

Code	Description
S002020	TLC GLASS plates SIL G-25, size: 20 x 20 cm, pack of 25
S0UV2020	TLC GLASS plates SIL G-25 UV 254, size: 20 x 20 cm, pack of 25
SP002020	POLYESTER-sheets SIL G size: 20 x 20 cm, pack of 25
SPUV2020	POLYESTER sheets SIL G/UV254 size: 20 x 20 cm, pack of 25
SA002020	ALUMINIUM sheets SIL G size: 20x20 cm, pack of 25
SAUV2020	ALUMINIUM sheets SIL G/UV254 size: 20x20 cm, pack of 25

Other sizes available.