

# Technical Data Sheet

Doc No– Ab/TDS/Micro -90

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## TECHNICAL DATA SHEET

Abdos Labtech Pvt. Ltd.

### **Swirlex - Handheld Homogenizer**

Valid for Catalog No. E12410, E12420

**SRN (Single Registration Number):** IN-MF-000022272

#### **1. Description/Specification**

##### **1.1 Description:** Swirlex -Handheld Homogenizer

1.1.1 ABDOS Swirlex- Handheld Homogenizer is a powerful handheld homogenizer designed to rapidly homogenize, disperse and disintegrate biological samples in 10-30 seconds with adjustable speed ranging from 8,000 rpm up to 30,000 rpm.

1.1.2 The homogenizer is ideal to use with samples from 0.5ml to 250ml with three types of generators probes available for different sample volume range.

1.1.3 Autoclavable generator shaft is made up of 316 L stainless steel Interchangeable generator probes that are easily disassembled for clean-up.

1.1.4 Optional H-type stand with adjustable height and angle available for more convenient and lengthier operation.

##### **1.2 Design:** Swirlex -Handheld Homogenizer

##### **1.3 Performance Specifications:**

Specifications	E12410 & E12420
Voltage	220-240V
Frequency	50-60Hz
Max. Circum Speed	6.3 or 14m/sec
Speed Range	8000-32000 rpm
Speed Control Dial Knob	10 stage
Material of Dispersing Shaft	SS 316L Stainless Steel, PTFE
Weight	0.54kg
Dimension (L x W x H)	45 x 55 x 190 mm
Permissible Relative Humidity	85%
Protection class according	IP20

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Noise	72dB
Permissible ambient Temperature & Humidity	0-40°C

Code	Product	Volume Range
E12410	Swirlex- Hand Held Homogenizer with Dispersing shaft Supporting for volume 0.1-50 ml & Support Stand	0.1 -50ml
E12420	Swirlex-Hand Held Homogenizer with Dispersing shaft Supporting for volume 1-250 ml & Support Stand	1 – 250ml

## Spare Accessories:

Code	Product	Volume Range
E12411	Dispersing Shaft - Length-90mm, process volume- 0.1-50 ml	5mm
E12412	Dispersing Shaft - Length-160mm, process volume- 0.3-50 ml	7mm
E12413	Dispersing Shaft - Length-150mm, process volume-1-250 ml	10mm
E12414	Dispersing Shaft Length-170mm; process volume-2-250 ml	14mm
E12415	Support Stand	--

1.4 CE certified

**1.5 Intended use:** Widely used in scientific studies of molecular biology, clinical chemistry, biochemistry and any type of scientific laboratory.

**Warranty:** 12 months from the date of Installation or 15 months from the date of Invoicing.

## Instruction for Use

Storage temp. Max 30°C  
Before using the product check crackness, etc.  
Check all the information printed on pouches or boxes.  
Always wear gloves while handling specimens.

## WARNING

**DO NOT** store strong oxidizing agents.  
**DO NOT** place any plastic labware in a flame.  
**DO NOT** mix any chemicals that may result in a thermic reaction, which can cause product failure  
Consult local fire codes prior to storage of flammable liquids.

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