

# TECHNICAL DATA SHEET

Doc No – Ab/TDS/ Micro-90

Rev No: 04 Date- 05/2024-25

**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  |

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|                                                       |                                      |
|-------------------------------------------------------|--------------------------------------|
| <b>Speed Control Dial Knob</b>                        | <b>10 stage</b>                      |
| <b>Material of Dispersing Shaft</b>                   | <b>SS 316L Stainless Steel, PTFE</b> |
| <b>Weight</b>                                         | <b>0.54kg</b>                        |
| <b>Dimension (L x W x H)</b>                          | <b>45 x 55 x 190 mm</b>              |
| <b>Permissible Relative Humidity</b>                  | <b>85%</b>                           |
| <b>Protection class according</b>                     | <b>IP20</b>                          |
| <b>Noise</b>                                          | <b>72dB</b>                          |
| <b>Permissible ambient Temperature &amp; Humidity</b> | <b>0-40°C</b>                        |

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

## Spare Accessories:

| <b>Code</b>   | <b>Product</b>                                             | <b>Volume Range</b> |
|---------------|------------------------------------------------------------|---------------------|
| <b>E12411</b> | Dispersing Shaft - Length-90mm, process volume- 0.1-50 ml  | 5mm                 |
| <b>E12412</b> | Dispersing Shaft - Length-160mm, process volume- 0.3-50 ml | 7mm                 |

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|               |                                                          |      |
|---------------|----------------------------------------------------------|------|
| <b>E12413</b> | Dispersing Shaft - Length-150mm, process volume-1-250 ml | 10mm |
| <b>E12414</b> | Dispersing Shaft Length-170mm; process volume-2-250 ml   | 14mm |
| <b>E12415</b> | 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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Quality Manager

Abdos Labtech Private Limited

Employee Code 30110



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